

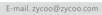


# We focus. We deliver

CooVox Series User Manual(Admin)

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# **Safety Notice**

Please read the following safety notices before installing or using this IP PBX. They are crucial for safe and reliable operation of the device. Failure to follow the instructions contained in this document may result in damage to your PBX and void the manufacturer's warranty.

- 1. Please use the external power supply which is included in the package. Other power supplies may cause damage to the device, affect the performance or induce noise.
- 2. Before using the external power supply in the package, please check your building power voltage. Connecting to Inaccurate power voltage may cause fire and damage.
- 3. Please do not damage the power cord. If the power cord or plug is impaired, do not use it. Connecting a damaged power cord may cause fire or electric shock.
- 4. Ensure the plug-socket combination is accessible even after the PBX is installed. In order to service the PBX it will need to be disconnected from the power source.
- 5. Do not drop, knock or shake the device. Rough handling can break internal circuit boards.
- 6. Do not install the device in places where there is direct sunlight. Also do not place the device on carpets or cushions. Doing so may cause the device to malfunction or cause a fire.
- 7. Avoid exposing the device to high temperature (above 40°C), low temperature (below -10°C) or high humidity. Doing so could cause damage and will void the manufacturer warranty.
- 8. Avoid letting the device come in contact with water or any liquid which would damage the device.
- 9. Do not attempt to open it. Non-expert handling to the device could cause damage and will immediately void the manufacturer warranty.
- 10. Consult your authorized dealer for assistance with any issues or questions you may have.
- 11. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
- 12. Wipe it with soft cloth that has been slightly dampened in a mild soap and water solution.
- 13. If you suspect your device has been struck by lightning, do not touch the device, power plug or phone line. Call your authorized dealer for assistance to avoid the possibility of electric shock.
- 14. Ensure the PBX is installed in a well ventilated room to avoid overheating and damaging the device
- 15. Before you work on any equipment, be aware of any hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. If you are in a situation that could cause bodily injury.



#### **Chapter 1 Brief Introduction**

#### 1.1 Brief Introduction of CooVox Series

The CooVox Series IP PBXs are designed to provide SMEs (small & medium enterprises) with all the standard and advanced features that are normally only available from large, expensive, legacy PBX manufacturers. Aimed at businesses with up to 100 extensions, the CooVox Series IP PBXs are based on SIP and OpenSource Asterisk 1.8, with whose innovative modular telephony design, that is easy to expand the PBX to meet the growing needs of your business.

CooVox Series IP PBXs come in four sizes: U20 / U50 / U60 / U100.

Each model will be introduced in detail below:

# CooVox-U20 is configured with 2 analog ports:

	FXS	FXO
CooVox-U20	1	1
	0	2

CooVox-U50 consists of two main parts: U50 Host and Modules. There are 2 slots in the system and the modules can be utilized as in the diagram below:

U50 Slot U50 Module	Slot 1	Slot 2
4FXS	✓	✓
4FXO	✓	✓
2FXOS	✓	✓
2GSM	✓	<b>✓</b>
4GSM	✓	✓
1PRI	✓	×
4BRI	✓	×

# CooVox-U60 is configured with 24 analog ports:

	2FXS	2FXO	FXOS
CooVox-U60	✓	✓	✓

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CooVox-U100 consists of two main parts: U100 Host and Modules. There are 2 slots in the system and the modules can be utilized as in the diagram below:

U100 Slot U100 Module	Slot 1	Slot 2
4FXS	✓	✓
4FXO	✓	✓
2FXOS	✓	✓
2GSM	✓	✓
4GSM	✓	✓
1PRI	✓	✓
4BRI	×	✓

# 1.2 Main Features

- 1. SIP/ IAX Extension Registration
- 2. Video Call
- 3. USB Mobile Hard Disk Record (Scalable)
- 4. IP Phone Provisioning (Grandstream / Yealink/Fanvil IP Phone)
- Call Record / Ring Group Record / Call Queue Record 5.
- 6. Web-based Administration and configuration
- 7. Web-based Extension User Management
- 8. Voicemail
- 9. Caller ID
- 10. Call Parking
- 11. Call Forward
- 12. Call Transfer
- 13. **Call Waiting**
- 14. Call Center Queues
- 15. **Black List**
- 16. Phonebook
- 17. Flexible Dial Plan
- 18. Virtual Fax (fax to email, and email to fax)
- 19. DID
- 20. Dial by Name
- 21. Speed Dial
- 22. Do Not Disturb
- 23. Callback

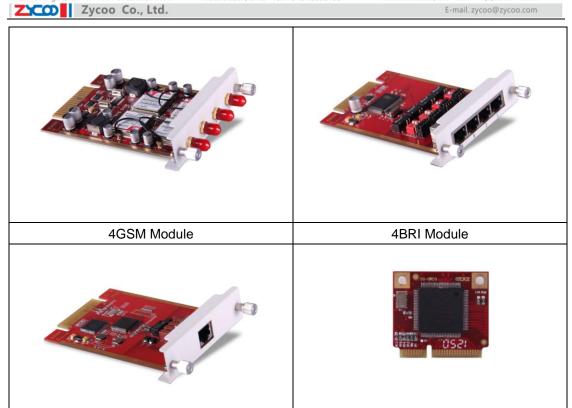


- 24. Skype for SIP
- 25. Ring Group
- 26. Conference Bridge (Three Conferences)
- 27. Music On Hold
- 28. DISA (Direct Inward System Access) /Paging And Intercom
- 29. Call Detail Record
- 30. IP Phone Feature Code
- 31. BLF(Busy Lamp Field)
- 32. Static / DHCP / PPPoE Network Access
- 33. **DHCP Server**
- 34. System Backup
- 35. T.38 Pass-through
- 36. Audio Codec: G.722/ G.711-Ulaw/ G.711-Alaw/ G.726/ G.729/ GSM/ SPEEX
- 37. Video Codec: H.261/ H.263 / H.263+ / H.264
- 38. VPN Server (L2TP / PPTP / OpenVPN, up to 10 connections for VPN clients)
- 39. VPN Client (L2TP / PPTP / OpenVPN / N2N)
- 40. SNMPv2
- IPv4 / IPv6 41.
- 42. DDNS(Dyndns.org /No-ip.com /zoneedit.com)

# 1.3 Modules



32 EC Module



# 1.4 Hardware Interfaces

1E1/T1 Module

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# 1.4.1 CooVox-U20



CooVox-U20 Front Panel



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Indication	Function	Status	Explaination
PWR	Power Status	On	Power On
PVVR	Power Status	Off	Power Off
0)/0	Custom Ctatus	Blink	System Works
SYS	System Status	Off	System Fails
ETH	WAN or LAN Data Status	Blink	Data Transport
		Off	Module not running
G	GSM or UMTS(3G) Status	64ms On/800ms Off	Module doesn't find network
		64ms On/3000ms Off	Module finds network
		Red	Channel Loading Success
1	FXO	Blink	Channel Ringing
		Off	Channel Loading Failure
		Green	Channel Loading Success
2	FXS	Blink	Channel Ringing
		Off	Channel Loading Failure

- 1 \* Ethernet Interface (10/100Mbps)
- 2 \* Analog Ports(FXO/FXS)
- 1 \* UMTS Port

U20 LEDs Indication

# 1.4.2 CooVox-U50



CooVox-U50 Front Panel

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# CooVox-U50 Rear Panel

- 1 \* Reset Button
- 1 \* Power Interface (DC 12V 2A)
- 1 \* Ethernet Interface (10/100Mbps)
- 1 \* Console Interface
- 1 \* USB Interface

Slot 1 for Analog/GSM/PRI/BRI Module Cards

Slot 2 for Analog/GSM Module Cards Only

Indication	Function		Stat	us	Explaination
PWR	Power Status	On	On		Power On
PWR	Power Status	Off	Off		Power Off
SYS	Custom Ctatus	Blink			System Works
313	System Status	Off			System Fails
ETH	Data Status	Blink			Data Transport
EIN	Data Status	Off			No Data Transport
USB	II diak or IMTS(2C) Status	Off			Module not running
058	U-disk or UMTS(3G) Status	On			Module Works
				Green	Channel Loading Success
		FXS		Blink	Channel Ringing
				Off	Channel Loading Failure
				Red	Channel Loading Success
		FXO		Blink	Channel Ringing
				Off	Channel Loading Failure
				Red	Channel Loading Success
1-4(SLOT1/2)	SLOT 1/2 Status	GSM		Blink	Channel Ringing
				Off	Channel Loading Failure
		E1/T1	L1	Red	Module Loading Success
		(PRI/		Off	Module Loading Failure
		R2)	L2	Red	CPE signal
		(Only		Green	NET signal
		for		Off	No signal
		Slot 1)	L3	Red	SS7 signal

#### 1.4.3 CooVox-U60

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CooVox-U60 Front Panel



CooVox-U60 Rear Panel

- 1 \* Power Interface
- 1 \* Power Switch
- 2 \* Ethernet Interfaces (10/100/1000Mbps)
- 1 \* VGA Interface
- 2 \* Audio Interfaces
- 2 \* USB Interfaces
- 1 \* Hardware Echo Cancellation Interfaces (onboard)
- 1 \* UMTS Interface for 3G Data (onboard)
- 24 \* Analog Ports (FXO/FXS)

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#### **U60 LED Indication**

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Indication	Function	Stati	us	Explaination
PWR	Power Status	On		Power On
FWK	Fower Status	Off		Power Off
SYS	System Status	Blink		System Works
515	System Status	Off		System Fails
ETH	Data Ctatus	Blink		Data Transport
EIN	Data Status	Off		No Data Transport
	SLOT 1-24 Status	FXS	Green	Channel Loading Success
1-24 SLOTS		FAS	Off	Channel Loading Failure
		EVO	Red	Channel Loading Success
		FXO	Off	Channel Loading Failure

# 1.4.4 CooVox-U100



CooVox-U100 Front Panel



CooVox-U100 Rear Panel

- 1 \* Reset Button
- 1 \* Power Interface
- 1 \* Power Switch
- 2 \* Ethernet Interfaces (10/100 Mbps)
- 1 \* VGA Interface
- 2 \* USB Interfaces
- 2 \* Audio Interfaces

SLOT 1 for any Module Cards (4FXO/ 4FXS/ 2FXOS/ 4GSM/ 2GSM/ 1PRI)

SLOT 2 for any Module Cards (4FXO/ 4FXS/ 2FXOS/ 4GSM/ 2GSM/ 1PRI/ 4BRI)

# U100 LED Indication

Indication	Function		Stati	us	Explaination
DW/P	Dower Status	On			Power On
PWR	Power Status	Off	Off		Power Off
SYS	Custom Status	Blink			System Works
313	System Status	Off			System Fails
ETH	Data Status	Blink			Data Transport
EIH	Data Status	Off			No Data Transport
				Green	Channel Loading Success
		FXS		Blink	Channel Ringing
				Off	Channel Loading Failure
				Red	Channel Loading Success
		FXO		Blink	Channel Ringing
				Off	Channel Loading Failure
	GSM Blink Off E1/T1 L1 Red Off	GSM		Red	Channel Loading Success
				Blink	Channel Ringing
				Off	Channel Loading Failure
		Red	Module Loading Success		
4.4(01.074/0)		CLOT 4 /0 Ctatus	SLOT 1 /2 Status		Off
1-4(SLOT1/2)	SLOT 1/2 Status	OT 1/2 Status	L2	Red	CPE signal
				Green	NET signal
				Off	No signal
	L3		L3	Red	SS7 signal
		Green	MFCR2 signal		
				Off	No signal
			L4	Red	Disconnected/ Alarm
				Green	Connected/ No Alarm
		BRI		Red	TE Mode
		(Only for		Green	NT Mode
		Slot 2)		Off	Module Loading Failure

# 1.4.5 Model Comparison Table

	Items	CooVox-U20	CooVox-U50	CooVox-U60	CooVox-U100
System	Concurrent Calls	10	20	80	80
Capacity	Extension Users	30	100	200	500
	Voicemail	21,000 mins	21,000 mins	200,000 mins	2,500,000 mins
	and	(.gsm)	(.gsm)	(.gsm)	(.gsm)
	Recording	3000 mins	3000 mins	20,000 mins	270,000 mins
		(.wav)	(.wav)	(.wav)	(.wav)
Hardware	SDRAM	128MB DDR2	256MB DDR2	1GB DDR3	2GB DDR3

Capacity	Memory (default)	4GB SD card	4GB SD card	32GB SSD	500GB HDD
					or 32GB SSD
Power	Input	AC 100-240V	AC 100-240V	AC 100-240V	AC 100-240V
Supply	Output	DC 12V/1A	DC 12V/2A	N/A	N/A

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# 1.4.6 Environmental Requirements

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Working Tempreture: 0 °C ~40 °C
 Storage Tempreture: -20 °C ~ 55 °C
 Humidity: 5~95% Non-Condensing

# 1.4.7 Packing List

CooVox Host	1 set
Power Supply	1 piece
Ethernet Cable	1 piece
Quick Installation Guide	1 piece
Warranty Card	1 piece

# **Notice:**

- 1) ZYCOO Module cards will only function in CooVox IP PBX from ZYCOO;
- 2) Module cards for CooVox-U50/U100 will be packed separately but contained in the same package.



#### Chapter 2 Getting Started

(Take CooVox-U50 as example for the guide)

# 2.1 Before Configuration

What kind of IP Phones can be used with this device?

- 1. FXS Interface: Analog Phone or fax machine
- 2. SIP Extension: CooFone Series and ZP Series IP Phones provided by ZYCOO (D30/D30P/D60)

Any standard SIP Phone based on SIP/ IAX2 protocol (eg: CISCO, Grandstream, Yealink, Polycom, Siemens, Snom, etc.)

## 2.2 Before Making a Call

#### 2.2.1 Login IP PBX

#### **Getting IP Address**

There are three ways to set the IP address: Static, DHCP, PPPoE.

Default IP: 192.168.1.100:9999

Notice: you have to add port number 9999 after this IP address.

## **Defaults and Function Key**

1. Web Panel User name: admin 2. Web Panel Password: admin

3. \*60 **Enter Voicemail Box** 

4. 900/901/902 Default three conference room numbers

5. **Blind Transfer** 6. \*2 Attended Transfer 7. **Disconnect Call** 

# **Administrator Login**

After connecting the CooVox IP PBX to the local area network and setting your laptop to the 192.168.1.x subnet, launch the web browser and bring up the system login page by entering the following URL: http://192.168.1.100:9999. You will see the login interface as below:



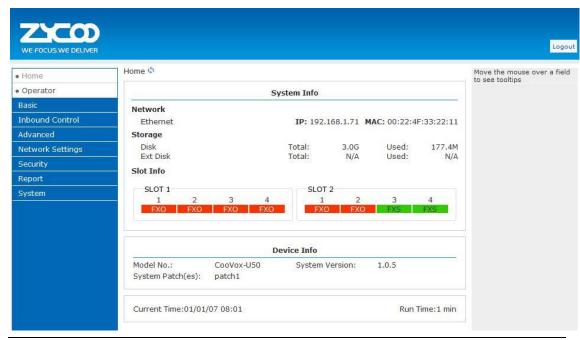
Input username and password, press the "Login" button and you will see the configuration interface below.

1. Default username: admin and password: admin



#### **Notice**

- 1. Please use IE(7.0 or higher version), Chrome, Firefox web browser.
- 2. If you do not see the interface above after inputting default IP and port number, please check whether your computer IP address is in the same segment with your IP PBX.
- 3. For Security reasons, please modify the username and password after login successfully. You can modify these by selecting: 【System】---【Management】
- **4.** With the default setting, if there is no activity on the page for more than one minute, the system will timeout and automatically log out. To continue making configuration changes, you will need to login again.



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- Total storage and used storage will be displayed 3. Storage
- 4. Channel information will be displayed based on the modules installed Channels
- 5. Device Info Model No. And system version will be displayed

#### **Commonly Used Buttons**

On the home page, besides system info, there are other function buttons as below:

- 1. Logout the Web panel Logout
- 2. **Activate Changes** Activate the changes for your current configuration

#### System Menu

System Menu includes the following sub menu:

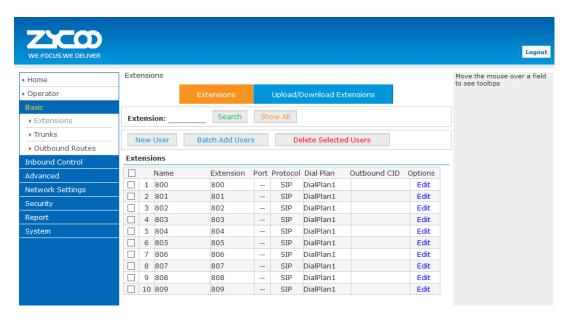
Home	Display device information	
Operator	Extension / Trunk / Channel Status	
Basic	Basic configuration on extension, trunks, etc.	
Inbound Control	Configuration of Inbound Route, IVR and Black List, etc.	
Advanced	Configuration of extension's default information, Conference Call, Call	
	Transfer, Function Key, etc.	
Network Settings	Configuration of Routing, Network, VPN, DHCP and other related	
	network parameters	
Security	Configuration of Firewall, SSH, FTP	
Report	Record List, Call Logs and System Logs	
System	Time Settings, Management, Back Up and Upgrade, etc.	

# 2.2.2 Basic Configuration

# **Extension Configuration**

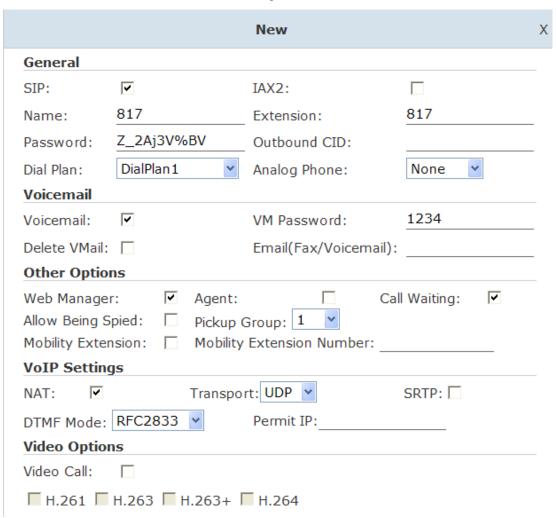
CooVox Supports SIP/ IAX2 and analog extensions as well as the ability to "Batch Add Users" by uploading extensions file.

Click [Basic] -> [Extensions] to configure:





Click [New User] to see the extension configuration interface as below:





# Extension Settings:

Item	Explanation
SIP/IAX2	Choose extension protocol.
Name	Extension Name (English Character Only), e.g.: Tom.
Extension	Extension Number connected to the phone, e.g.: 888.
Password	Same password as voicemail. (4-16 digits, e.g.:123456)
Outbound CID	Override the caller ID when dialing out with a trunk.
Dial Plan	Please choose the Dial Plan which is defined in the menu "Outbound Routes".
Analog Phone	Please choose the relative FXS port for your analog phone.
Voicemail	Check this option to enable the voicemail account.
VM Password	Set password for Voicemail, for security reasons, do not use the extension number or
	any easy combination like "1234"
Delete VMail	Check this option to delete voicemail from the PBX after it's sent by email.
Email	Extension user's email address to receive email messages with attached fax or
(FAX/Voicemail)	voicemail (you need configure the fax to email/voicemail options), e.g.:
	Tom@gmail.com
Web Manager	Allow this user to login to the Extension Management Panel to manage extension
	options including voicemail, call recording, call transfer, etc when you select this option.
Agent	Check this option to set this extension user as agent.
Call Waiting	Enable call waiting
Allowing Being Spied	Check this option to allow this extension to be monitored (listened to or "spied").
NAT	Check this option if extension user or the phone is located outside the NAT(Network
	Address Translation) available gateway.
Pickup Group	Select the Pickup Group which the extension user belongs to.
Mobility Extension	After check this option, you must set mobility extension number. User can make calls to
	the IP PBX server with this mobility number, and have all rights of this extension, e.g.:
	Outbound Call, Internal Call, Listen to the voicemail.
Transport	Select the Transport Protocol: UDP, TCP, TLS
SRTP	Enable SRTP (Secure Real-time Transport Protocol)
DTMF Mode	Default DTMF is rfc2833. It can be changed if necessary
Video Call	Check to enable video calling for this extension. And select the video codecs you need
	to use.
Permit IP	Set device ip address or subnet permitted to register this extension with the IP PBX,
	e.g.:192.168.1.77 or 192.168.10.0/255.255.255.0. Devices with other IP addresses are
	not allowed to register this extension with the IP PBX.
Audio Codecs	Select what audio codecs you need to use.
	1



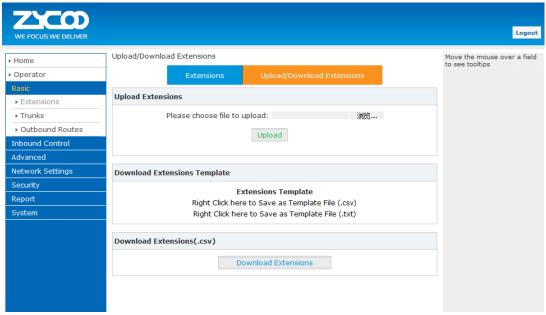
# Notice:

- 1. There are 30 default extensions which number started with "8"\*; you can add or delete extension by your requirement.
- Maximum extensions: 100



# **Upload/Download Extensions**

Click 【Upload/Download Extensions】 to batch add extensions as below:



Download the extension template from the 【Download Extensions Template】,

open the template using an editor or application like Microsoft Excel and carefully add extension information based on the template format and save.

Select the extension file to upload from [Upload Extensions]

Download current extensions information from 【Download Extensions(.csv)】

#### 2.2.3 Time Based Rules

Create a Time Rule. For example, BusinessHours.

Select the starting and ending time, starting and ending days of the week, specific start and end dates and/or start and ending month of the year.

When an inbound call is processed, if the current time of the PBX is within these parameters, outside these parameters, then the "if time does not match" destination will be used for the call.

Please set from this page: Time Based Rule .-- New Time Rule :

#### New Time Rule:

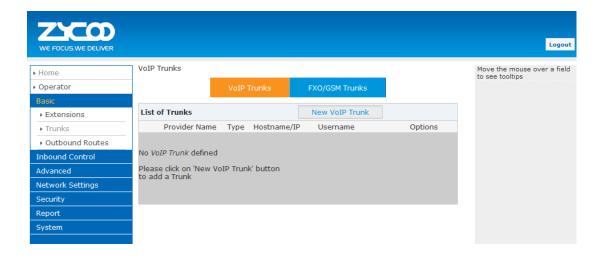
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Item	Explanation
Rule Name	Define the name for this Time Rule.
Time&Date Conditions	Set parameters for Time/Day/ Date/ Month.
Destination	Select destination if time matches or does not match the conditions set. For
	example for BusinessHours, "if time matches", select operator extension during
	BusinessHours. If outside business hours, select "if time does not match"
	destination of Operator voicemail

#### 2.3 Outbound Call

#### **2.3.1 Trunks**

If you want to set up outbound route connected to PSTN (Public Switch Telephone Network) or VoIP provider, please configure on this page: 【Basic】-> 【Trunks】



CooVox supports two kinds of trunks for your choice: VoIP or SIP Trunk and FXO/GSM/PRI/BRI Trunk.



# How to add each trunk:

#### **VoIP Trunks**

Click [VoIP Trunk] -> [New VoIP Trunk]:



#### VoIP Trunks Reference:

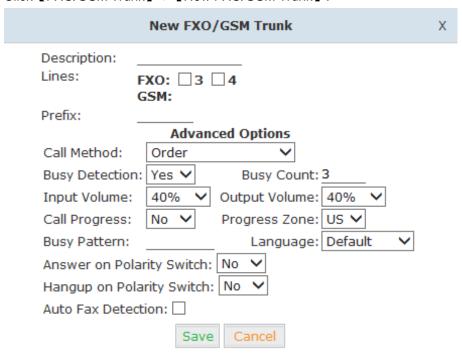
Item	Explanation
Description	Description of SIP trunk.
Protocol	Select protocol for outbound route, SIP or IAX2.
Host	Set host address (provided by VoIP Provider).
Maximum Channels	Set maximum channels for simultaneous call. (Only for outbound call; "0" = no limitation).
Prefix	The prefix will be added in front of your dialed number automatically when the trunk is in use.
Caller ID	This Caller ID will be displayed when user make outbound call. Note: This function must be
	supported by local provider.
Without Authentification	If your trunk is static IP based and does not require a registration string when connecting the
	CooVox IP PBX, check this option.
Username	Username provided by VoIP Provider.
Password	Password provided by VoIP Provider.
Advanced Options	Advanced options for this trunk, e.g.: codecs, dialplan, etc.

The outbound trunk will be in the list of VoIP Trunk when the trunk is added successfully.

#### **FXO/GSM Trunk**

China

# Click 【FXO/GSM Trunk】 -> 【New FXO/GSM Trunk】:



#### FXO/GSM Trunk Reference:

Item	Explanation
Description	Description for this trunk.
Lines	Check one or more channels (FXO or GSM) to be included in this trunk group
Prefix	The prefix will be added to the dialed number automatically when this trunk is in use.
Advanced Options	Advanced Options for this trunk, e.g.: Call Method, Busy Detection, etc.

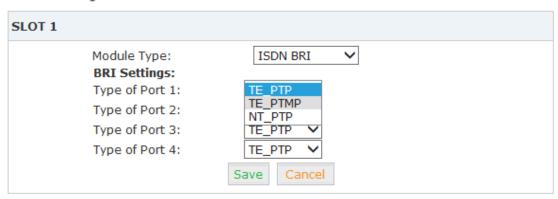
Select one or more of the available channels to be used for this trunk group.

Note: each channel can only be included in one trunk group. If no channels appear then all available channels are already defined.

#### **BRI / PRI Trunk**

Please set up BRI/PRI trunk similarly to the FXO/GSM trunk settings above.

Module Settings

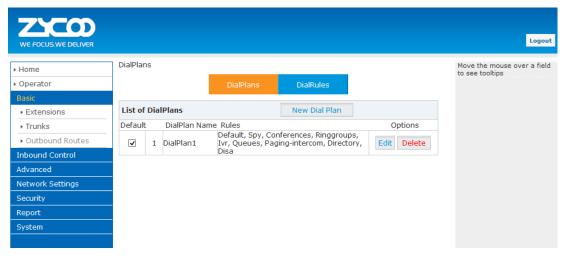


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#### 2.3.2 Outbound Routes

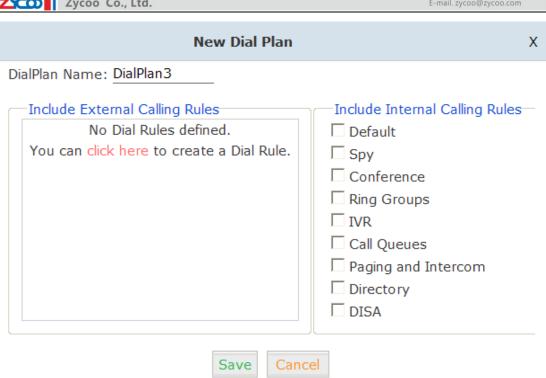
China

Outbound Routes are used to define which trunk groups are used by a specific extension when placing outbound calls. If you don't allow an extension user to place external calls, please ignore this part.



You can configure the basic match pattern of outbound routes and create different dial plan on this page. Create as many different dial plans as you need to determine how you need extensions to be allowed to make calls. For example, create "InternalDialPlan" to include all Internal Calling Rules but do not select any outbound dial rules. Select "InternalDialPlan" for all extension users that do not need the ability to make external calls.

Click [DialPlans] -> [New DialPlan]:



You can create one or more DialRules for DialPlans from this page:

New DialRule	Х		
Rule Name:			
PIN Set:			
Call Duration Limit: seconds  Time Rule: ✓  Start Time: 09 ✓ : 00 ✓ End Time: 17 ✓ : 30 ✓  Start Day: Mon ✓ End Day: Fri ✓  Place this call through:  test(FXO/GSM) voip(SIP)			
<b>««</b>			
Available Trunks Selected Trunks			
Custom Pattern:  Z Any digit from 1 to 9  N Any digit from 2 to 9  X Any digit from 0 to 9  Any number of additional digits			
Delete digits prefix from the front and auto-add digit dialing	before		
Save			

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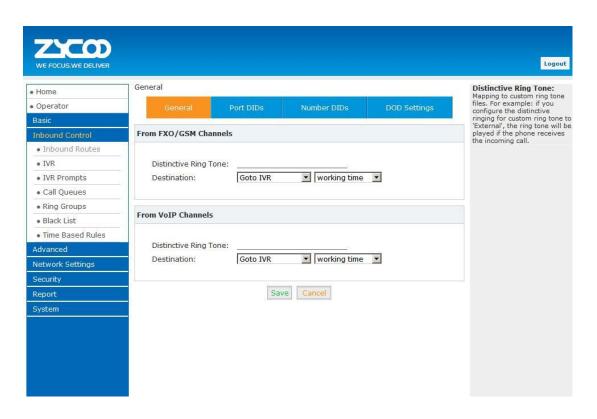
# Reference:

Item	Explanation
Rule Name	Define the name for the dial rule.
Pin Set	Input this Pin when you use this dial rule.
Call Duration Limit	Set the duration limit for a call, beyond which the call will be auto hung up
Time Rule	Set the time interval for this DialRule, beyond which the call based on this DialRule
	won't work
Place this call through	Select one of the trunk groups that have been set up to use for this dial rule
Custom Pattern	N any digit from 2 to 9
	Z any digit from 1 to 9
	X any digit from 0 to 9
	. One or more digits
Delete[ ]digits prefix	How many digits will be deleted from what the user dialed to what is actually sent over
	the trunk. For example, user dialed 94166445775 and you selected to delete 1 digit,
	then 4166445775 is sent out the trunk.
Auto-add digit[ ]	If add digit "9", when dial 12345, 912345 will be sent.

# 2.4 Inbound Call

## 2.4.1 Inbound Routes

# Click [Inbound Control] -> [Inbound Routes]



#### General

Distinctive Ring Tone: mapping the custom ring tone file, e.g.: Set distinctive ring tone as "External", the phone will play this ring tone when receiving the call.

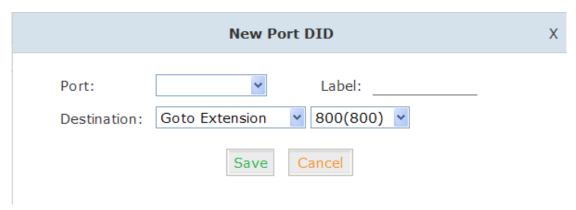
#### Note: The phone must support such feature as well.

Select all calls coming in on a specific port (FXO/GSM/VOIP) and select which destination (Extension User, IVR, Queue, Conference Bridge, IVR, etc) should answer those calls. Setting the label will assign this label to be displayed.

#### **Port DIDs**

To have incoming calls from a PSTN trunk port (FXO/GSM trunk) answered by a specific extension user, call queue, conference bridge, or IVR, please configure here:

Click [Port DIDs] -> [New Port DIDs]:



- 1. Port Select the trunk group port
- 2. Label Set a label for this port. Incoming calls from this port will display
- 3. Destination Incoming calls will be answered by the specified destination

the specified label.

(extension user, call queue, conference bridge, or IVR)

# **Number DIDs**

If you want to select the destination of inbound calls on PRI/BRI or VoIP Trunks based on the incoming DNIS (dialed number or DID). You can specify the DID and destination (user extension, queue, conference bridge, or IVR:

Click [ Number DID] -> [New Number DID]:



- 4. **DID Number** Set DID Number
- 5. Destination Select the extension for access directly(Extension User/

Call Queue/ conference/ IVR)

# **DOD Settings**

China

To configure outbound calls from user extensions to answer with specified destinations (user extension, queue, conference bridge, IVR), please click 【DOD Settings】-> 【New DOD】



- 6. **DOD Number** Set the DOD (direct outbound dial) number, and use it to match
  - the Caller ID.
- 7. Destination Outbound calls will access directly to this destination

(user extension, queue, conference bridge, or IVR)

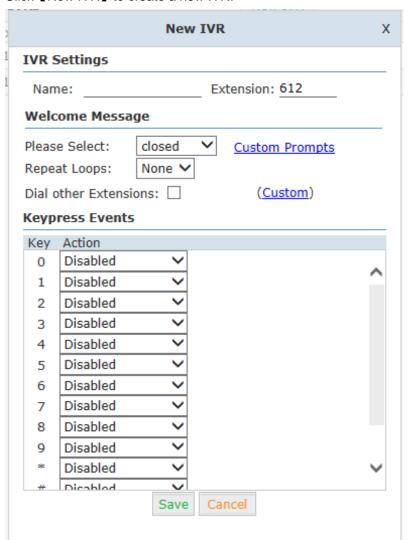
# 2.4.2 IVR

IVR (Interactive Voice Response) or Automated Attendant will allow callers to select from a specific set of options by pressing the selected digit on their telephone dial pad.

Click [Inbound Control] -> [IVR]:



#### Click [New IVR] to create a new IVR:



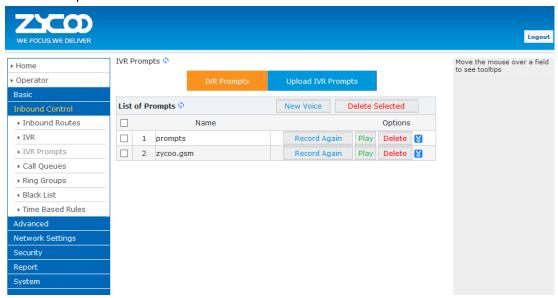
Item	Explanation
Name	Enter a descriptive name for the IVR
Extension	Enter a unique extension or IVR number. This number is used to access the IVR
	from an internal extension
Custom	Click "Custom" to choose a DialPlan for IVR
Please Select	Select the IVR prompt that will provide the caller with instructions on what options are
	available. To configure the prompt in this page: 【IVR Prompt】
Repeat Loops	Loop times to repeat playing the IVR prompt if the caller does not select an option
Dial Other Extension	Allow user to dial other extensions besides of the listed options
Keypress Event	Select the available options beside the designated digit

# 2.4.3 IVR Prompts

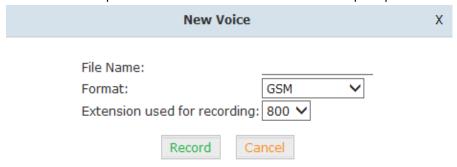
IVR prompts can be recorded by using any extension registered to the PBX or they can be uploaded from the "Upload IVR Prompt" section below.

# **IVR Prompts**

# 【IVR Prompts】



# Click 【IVR Prompts 】 ---- 【New Voice 】 to create new IVR prompt:



- 1. File Name Define a name for this voice file.
- 2. Select the voice format, GSM/WAV(16bit) supported only. **Format**
- 3. Extension used for recording: Select the extension which is used for recording the IVR prompt.

Click [Record], the extension will ring, and the prompt can be recorded after picking up the phone.

To hear the existing recording, please click [Play]:

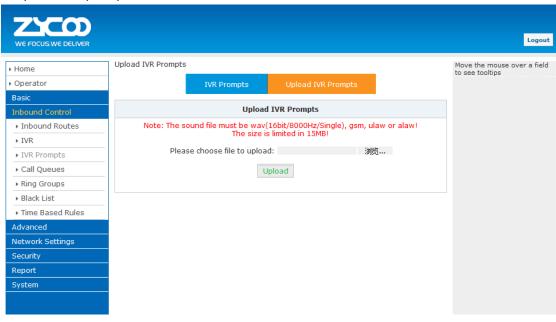


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Select the extension, click [Play], the selected extension will ring, and you will hear the recorded prompt after picking up the phone.

#### **Upload IVR prompt**

# 【Upload IVR prompt】



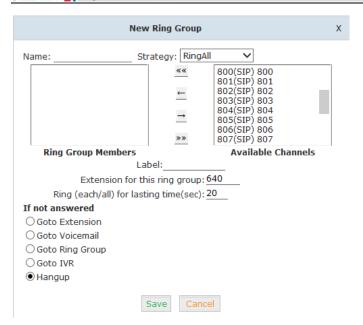


CooVox supports custom audio file with wav,gsm,ulaw,alaw format. Recordings must be smaller than 15MB.

# 2.4.4 Ring Groups

A Ring Group (sometimes called a Hunt Group) is a way to ring a collection of extensions by dialing a single extension number. The methodology used to ring that collection of extensions is called the ring strategy. Once the timeout (number of seconds) is reached, the call will then be directed to the "if not answered" or failover destination.

To configure a Ring Group Click [Inbound Control] -> [Ring Groups] -> [New Ring Group]:



Name Define a name for the Ring Group
 Strategy Select "Ring All" or "Ring in order"

3. Ring Group Members Select the Ring Group Member from "the Available

Channels", click to add.

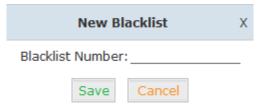
4. If not answered You can choose to forward the call to extension, voicemail

ring group, IVR or hang up if not answered.

# 2.4.5 Blacklist

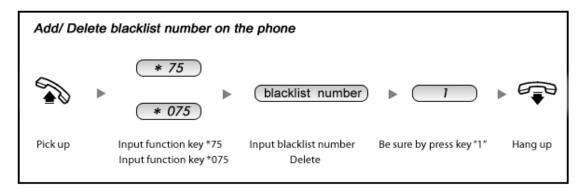
The Blacklist feature allows the blocking of specific phone numbers by Callerid.

Click [Inbound Control] -> [Blacklist] -> [New Blacklist]



Input the caller ID in the space provided. Once configured, future calls from this caller ID will be blocked.

To maintain this list of blocked numbers, see the instructions in the following diagram:



#### Reference:

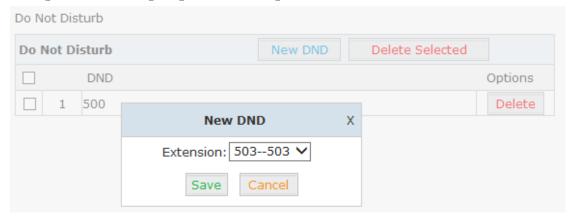
China

Item	Explanation
*75	When the registered extension user inputs *75 + blacklist number, this number will be
	added in the list of Blacklist Number.
*075	When the registered extension user inputs *075+blacklist number, this number will be
	deleted in the list of Blacklist Number.

#### 2.4.6 Do Not Disturb

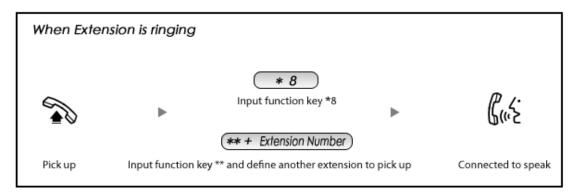
The administrator can config DND for extensions on this page:

# Click [Inbound Control] -> [Do Not Disturb]:



# 2.4.7 Call Pickup

This feature allows users to answer a call that is ringing on another users extension by pressing the selected feature code on their own phone as shown in the diagram below.



## Reference:

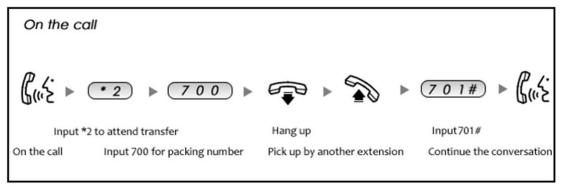
China

Item	Explanation	
*8	Input function key *8 to pick up the registered extension which is in the ring at random.	
	This can be defined in 【Feature Codes】	
**	Input function key ** and define another extension to pick up. This can be defined in	
	【Feature Codes】.	

# 2.5 During a Call

# 2.5.1 Call Parking

This feature allows a call to be placed on hold (system will play the parked number, e.g. 701) and then retrieved from any other extension by entering the parked number. After answering the call, to park the call press \*2 700 on the telephone dialpad (to transfer the call to the parking lot 700). This will park the call and the system will play the parking space (e.g. 701). To retrieve the call from the parking lot, anyone can pick up any registered extension and dial the parking space number (e.g. 701) and will be connected with the parked caller. Refer to the diagram below:



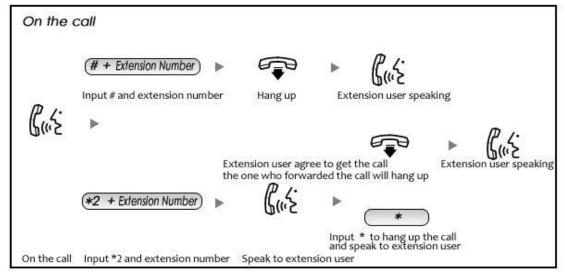
# Reference:

Item	Explanation
Extension to Dial for	Default Number: 700, Define in 【Feature Codes】
Parking Calls:	
What Parking space or	Default Number: 701 - 720. Define in 【Feature Codes】
Extension to park calls on	
How many seconds a call	Default is 45 seconds. Define in 【Feature Codes】.



# 2.5.2 Call Transfer

This feature allows an incoming call that is answered on one extension to be sent to another user's extension. Refer to the diagram as below:



# Reference:

Item	Explanation
Blind Transfer	Default is #. Define in 【Feature Codes】
Attended Transfer	Default is *2. Define in 【Feature Codes】
Complete Attended Transfer	Default is *, it can be used when you use *2. Define in 【Feature Code】
Timeout for answer on	Default is 15 seconds. Define in 【Feature Codes】
attended transfer	

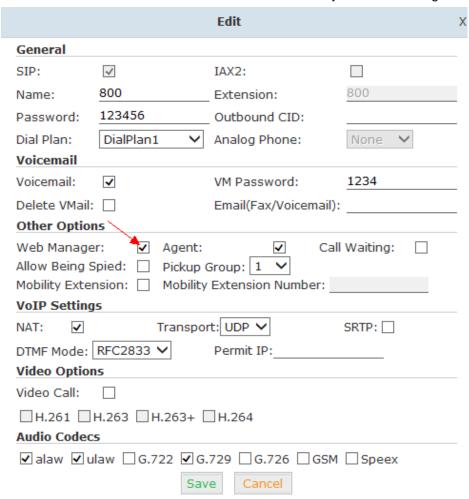


#### 2.6 User Extension Settings

#### 2.6.1 Follow Me Settings

This feature allows a call to an extension to be automatically forward to one or more internal extensions or external phone numbers. To allow the user to configure these settings, first the user must be allowed access to the User Web Portal. To do this, select the "Web Manager" box under "Other Options".

Click [Basic] -> [Extension] -> [Edit] the extension you want to configure.

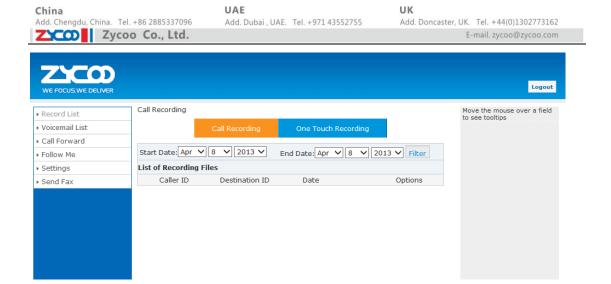


Check [Web Manager] and [Save]

Then login the Extension Web Panel:

#### 2.6.2 Call Recording

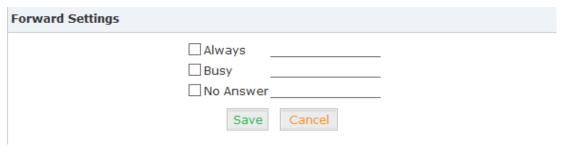
This feature allows users to access calls they have recorded. To configure this setting, please see the diagram below.



#### 2.6.3 Call Forward

This feature allows calls to an extension to be automatically forwarded to a specific internal extensions or external phone number. To configure this setting, please see below:

### Click 【Call Forward】:



### Reference

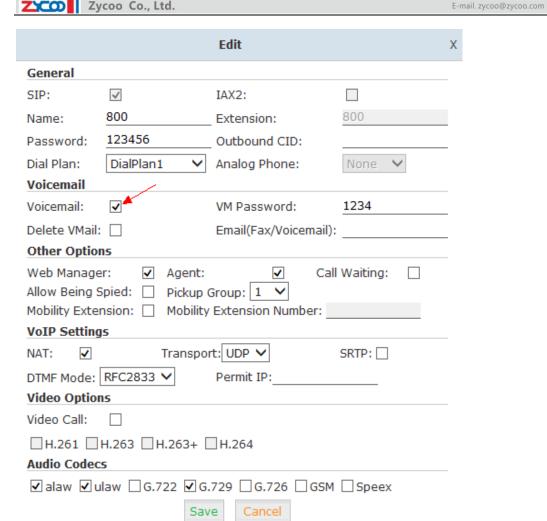
	Item	Explanation
	Always	All incoming calls will be forwarded.
Status	Busy	Forward when extension is busy.
	No Answer	Forward when no answer from extension.

### 2.6.4 Voicemail

Calls that are not answered have the option to be sent to a voicemail account so the caller can leave a recorded message. Optionally, these recorded messages may be sent to a user's email account.

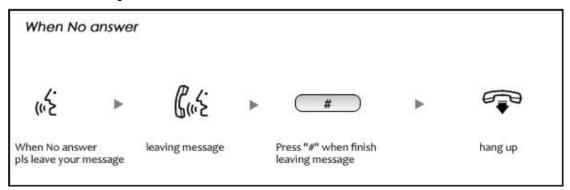
Click 【Basic】-> 【Extension】-> 【Edit】 the extension you want to configure.

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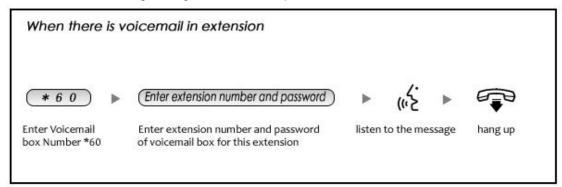
Please enable [Voicemail] before configuration, and configure [VM Password] and [Email]. If incoming calls are not answered, when the default ring time is over, the system will play: "please leave your message and press the "#"key ". Then voicemail will be sent to the specified mailbox by email.

#### To Leave a Message





### To Listen to the message using the users desk phone





#### Notice:

- 1. Proper Email address is necessary to receive voicemail via email.
- You must configure the SMTP and Email template. For detail settings, please see the detail configuration guide 【Voicemail】 in Chapter 3.

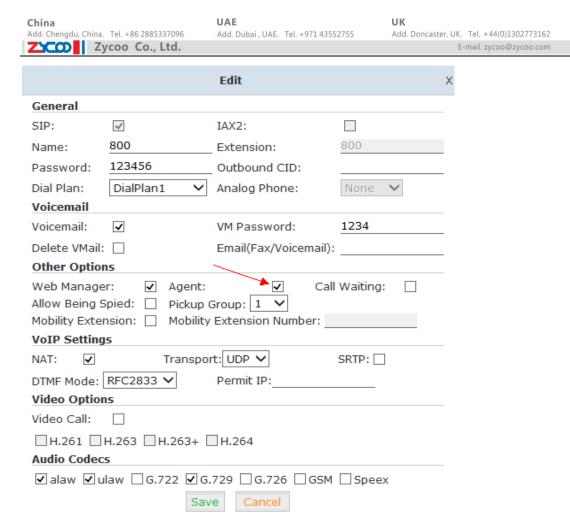
### 2.7 Call Center (Call Queues)

### **Create Agent**

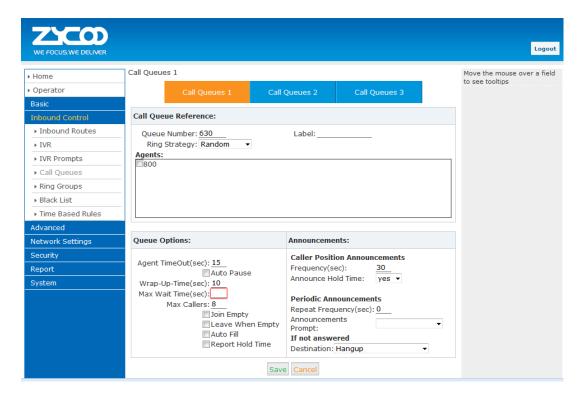
To allow a user to be considered an agent in a Call Center queue, please check the "Agent" option for that specific user extension.

Click [Basic] -> [Extension] -> [Edit] the extension you want to configure:

Step1: Check [Agent] and [Save]



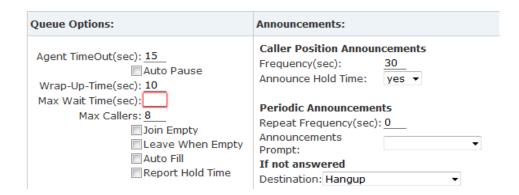
Step2: Click [Inbound Control] -> [Call Queues]





### Reference

Item	Explanation
Queue Number	Define an extension number to identify the queue.
Label	Define the label for the queue.
Ring Strategy	RingAllRing all available agents until one answers( default)
	RoundRobin - Starting with the first agent, ring the extension of each agent in turn until
	the call is answered.
	LeastRecent – ring the extension of the Agent who has least recently received a call
	FewestCalls – ring the extension of the Agent who has taken the fewest number of calls.
	Random – ring the extension of a random Agent.
	RRmemory RoundRobin with Memory, like RoundRobin above, except instead of the
	next call starting with the first agent, the system remembers which extension was was
	called last and begins the round robin with the next agent .
Agent	Check each agent that is to be a member of this specific Call Center Queue.





Reference:

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China

Item	Explanation	
Agent TimeOut(sec)	Specify the number of seconds to rin an agent's extension before sending the call to the	
	next Agent (based on Ring Strategy).	
Auto Pause	If an Agent's extension rings and the Agent fails to answer the call, automatically pause	
	that agent so the stop receiving calls from the queue.	
Wrap-Up-Time(sec)	This is the amount of time in seconds that an agent has to complete work on a call after	
	the call is disconnected.	
	(Default is 0, which means no wrap-up time.)	
Max Wait Time(sec)	Calls that have been waiting in the queue for this number of seconds will be sent to the	
	""If not answered" destination.	
Max Callers	Max number of the callers who are allowed to wait in the queue. (Default is 0, which	
	means no limitation.). With this number of callers in the queue already, subsequent	
	callers will be sent to the ""If not answered" destination.	
Join Empty	Allow callers to enter the Queue when no Agents are available. If this option is not	
	defined, callers will not be able to enter Queues with no available agents - callers will be	
	sent to the "If not answered" destination.	
Leave When Empty	If this option is selected and calls are still in the queue when the last agent logs out, the	
	remaining callers in the Queue will be transferred to "If not answered" destination. This	
	option cannot be used with Join Empty simultaneously.	
Auto Fill	Callers will be distributed to Agent automatically.	
Report Hold Time	Report the hold time of the next caller for Agent when the Agent is answering the call.	
Frequency(sec)	Repeat frequency to announce the hold time for callers in the Queue.("0" means no	
	announcement).	
Announce Hold Time	Announce the hold time. Announce (yes), do not announce (no) or announce once	
	(once), it will not be announced when the hold time is less than 1 minute.	
Repeat Frequency(sec)	Interval time to play the voice menu for callers.("0" mean not to play).	
Announcement Prompt	Select a prompt as the Announcements Prompt from the IVR Prompts.	

### 2.8 Conference Bridge

A conference bridge is a virtual meeting room that allows multiple callers to hear and speak to each other. The conference bridge can be protected with a password so only callers with the password can access the conference. The software supports up to three conference rooms. To configure a conference bridge, go to 【Advanced】->【Conference】:



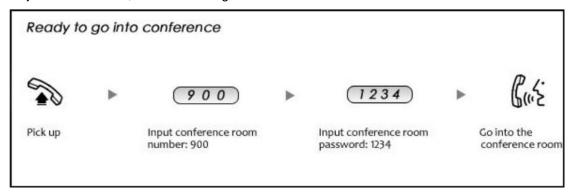
# Conference(Default)

	Conference(Default)	Confer	ence 2	Conference 3
Confe	rence Number			
	Room Extensio	n:	900	
Confe	ence Password			
	Guest Passwoi Administrator F		1234 2345	
Confe	ence Options			
Conference DialPlan				
✓ Play hold music for first caller				
✓ Enable caller menu				
☐ Announce callers				
☐ Record conference ☐ Quiet Mode				
☐ Leader Wait				
		Save Ca	ancel	

# Reference:

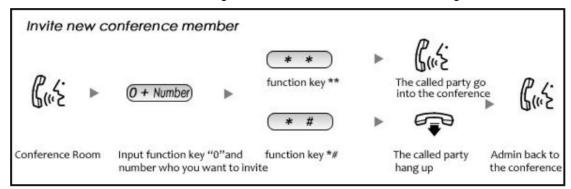
Item	Explanation	
Conference Number	The number that internal callers use to access the conference room, the default	
	number is "900".	
Conference Password	Password for users to access the conference, e.g.:"1234".	
Administrator Password	Password for administrator to access the conference.	
Conference DialPlan	Use this dialplan to invite other participants.	
Play hold music for the first	Check this option to play the hold music for the first participant in the conference until	
participant	another participant enters in this conference.	
Enable caller menu	Check this option to allow the participant to access the Conference Bridge men	
	pressing "*" on the dialpad.	
Announce callers	Check this option to announce to all Bridge participants that new participant is joini	
	the conference.	
Record conference	Recorded conference format is WAV.	
Quiet Mode	If check this option, all the participants in the conference can hear only, but it is not	
	allowed to speak.	
Leader Wait	Wait until the conference leader(administrator) entering the conference before	
	starting the conference.	

To join a conference, refer to the diagram as below:



While in a conference, the administrator can invite new guest (extension user or external number) into the conference. (Default password for admin is 2345)

As an administrator, to invite a new guest to the conference, refer to the diagram as below:





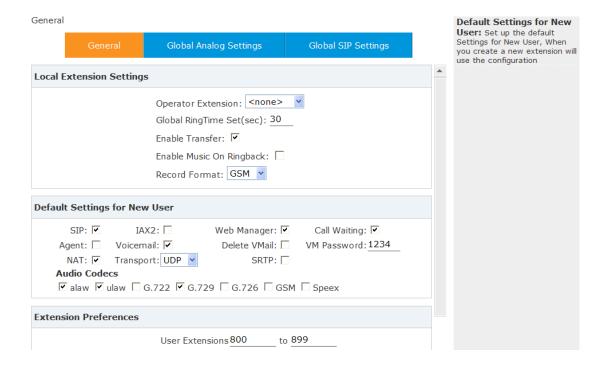
#### Chapter 3 **Advanced**

### 3.1 Options

#### General

Default settings for local extension and new extension.

Click [Advanced] -> [Options] -> [General]:



### Reference

Item	Explanation	
Operator Extension	Set extension number for Operator.	
Global RingTime Set	Set RingTime for every extension.	
Enable Transfer	Check to enable Transfer.	
Enable Music On Ringback	Check to enable Music On Ringback.	
Record Format	Set the format for recording files. (GSM/WAV only)	
Defaut Setting for New User	Check to enable the default settings.	
Extension Preferences Set the rule for extensions.		

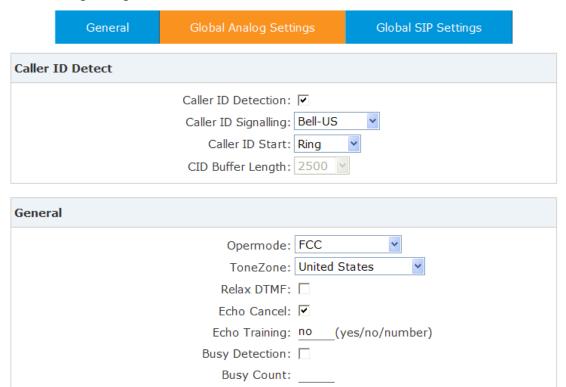


China

### **Global Analog Settings**

### Click [Advance] -> [Options] -> [Global Analog Settings]:

#### Global Analog Settings



### Reference:

Item	Explanation	
Caller ID Detection	Enable/Disable Caller ID Detection	
Caller ID Signaling	Select the mode of Caller ID Signaling.	
Caller ID Start	RingCaller ID start before ring.	
	PolarityCaller ID start when polarity reversal starts.	
CID Buffer Length	Default CID Buffer Length	
Opermode	Set the Opermode for FXO/GSM Ports.	
ToneZone	Select the ToneZone in your country.	
Relax DTMF	Enable/Disable Relax DTMF inspection.	
Echo Cancel	Enable/Disable Echo Cancel	
Echo Training	Set Echo Training (default unit: ms)	
Busy Detection	Enable/Disable Busy Detection.	
Busy Count	Count the Busy Detection. It will be active when enable Busy Detection.	

### **Global SIP Settings**

【Global SIP Settings】 is appropriate for advanced administrators. Please contact our technical support department before modifying anything in this section.



#### 3.2 Voicemail

# Click [Advanced] -> [Voicemail] -> [General]:

General

	General	Email Settings
VoiceMail Reference		
Max Greeting	Time(sec):	30
Dial "0" for C	perator:	<u>~</u>
w: w o:		
Voice Message Options		
Message For	mat:	WAV (16-bit)
Maximum Me	ssages:	100
Max Message	e Time(min):	2
Min Message	Time(sec):	5
Playback Options		
	✓ Say N	Message CallerID
	_	Message Duration
	☐ Play E	Envelope
	Allow	Users to Review

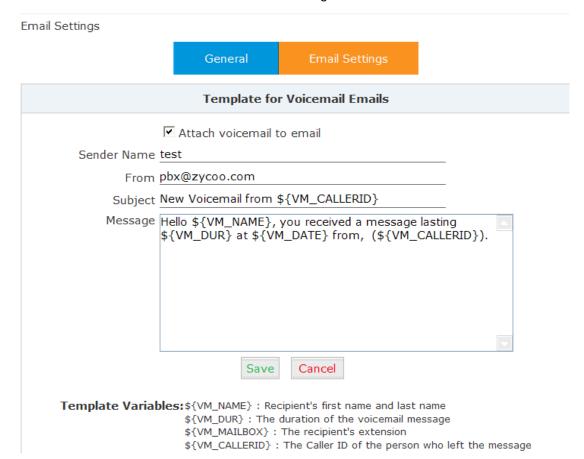
# Reference

Item	Explanation	
MaxGreeting Time(sec)	Maximum recording length for voicemail greetings	
Dial "0" for Operator	Select this option to allow callers to press Dial "0" to transfer out of voicemail to	
	the Operator.	
Message Format	Save the voice message as this format, WAV(16-bit) or Raw GSM.	
Maximum Messages	Maximum voicemail messages to be allowed to leave.	
Max Message Time(min)	Maximum Time for each message to be allowed to leave.	
Min Message Time(sec)	MinimumTime for each message. The message will be deleted automatically	
	the time is less than the min message time.	
Say Message CallerID	Play the Caller ID of the caller before playing the voice message.	
Say Message Duration	Play the message duration before playing the voice message.	
Play Envelope	Play the date, time and caller ID for the voicemail message.	
Allow Users to Review	Check this option to allow users to review the voice message.	

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### Click [Advance] -> [Voicemail] -> [Email Settings]



#### Reference:

Item	Explanation	
Attach voicemail to Email	The voicemail will be sent as attachment to the user's Email.	
Sender Name	The sender's name will be displayed when you receive the Email.	
From	Mailbox to send email	
Subject	Subject of the Email.	
Message	Input the Email template.	

### 3.3 SMTP Settings

To allow email messages to be sent to users with attached voicemail and faxmail messages, the SMTP settings need to be configured.

Click [Advance] -> [SMTP Settings]:

#### SMTP Settings

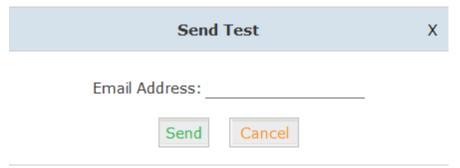
China

SMTP Settings:		
	SMTP Server:	
	Port: <u>25</u>	
	SSL/TLS: □	
	▼ Enable SMTP Authentication	
	Username:	
	Password:	
	Send Test	
	Save Cancel	

#### Reference

Item	Explanation	
SMTP Server	You must set SMTP Server address or domain connected to the CooVox IP	
	PBX, which is used for sending the voice message to Email.	
Port	Port number for SMTP server. Default is 25, and it will be changed to 465 when	
	you enable SSL/TLS.	
SSL/TSL	Enable SSL/TLS.	
Enable SMTP Authentication	If your SMTP server needs authentication, please enable this option, and	
	configure the following.	
Username	Input username of your Email.	
Password	Input password of your Email.	

Click [Send Test] after configuration, the following diagram will be displayed to ask you to input the Email for receiving.



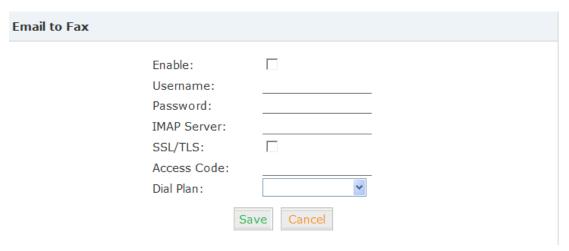
Specify the email address and click [Send] -to send the test email. Verify that email was successfully sent or not. If no email was received, please modify the SMTP settings and retry.

#### 3.4 Email to Fax

Users can send fax by Email. Please configure as below.

### Click [Advanced] -> [Email to Fax]

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Check "Enable", input username, password and IMAP Server(server format: imap.XX.com), select the DialPlan, then "Save" and "Activate".

#### **Practical Case:**

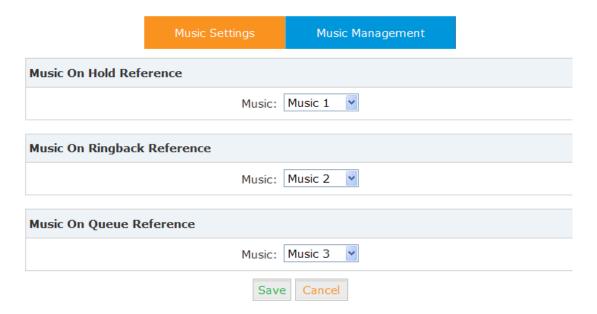
To Send a fax to telephone number 85337096: In DialPlan 1, there is prefix "9" before the telephone number; you need input the 【Access Code】: 985337096 and make this the subject when sending Email. Then the fax will be sent by Email as attachment.

If you need dial the extension when sending fax, e.g.: fax number: 85337096 ext.800, you need use the 【Access Code】: 985337096-800 as subject.

### 3.5 Music Settings

Management of Music on Hold, Music on Ringback, Music on Queue.

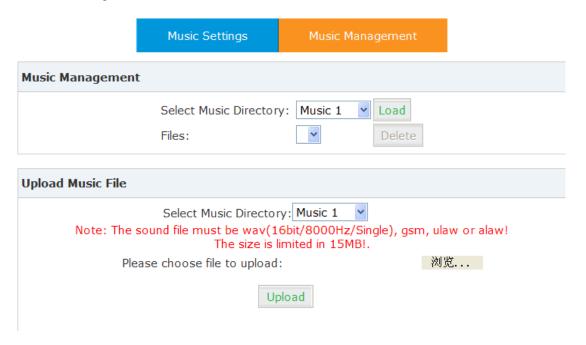
#### [Music Settings]:



Select the different music file for different Music.

### [ Music Management ]

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Item	Explanation	
Select Music Directory	Select which Music Directory you wish to load.	
File	Display music name under the music file, you can delete it.	
Select Music Directory	Select the file where you want to save your uploaded music.	
Please choose file to upload	Select the music you want to upload.	
	Note: music file must be WAV(16bit/8000Hz/Single), GSM, ulaw or alaw,	
	and less than 15MB.	

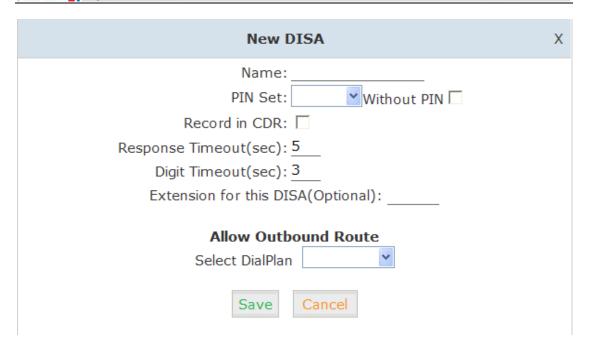
#### **3.6 DISA**

This feature allows an authorized user to call into the PBX and then place an outbound call using another trunk. For example, an employee working out of the office who needs to make an international call using trunks connected to the PBX. By calling the DISA number, after PIN authentication, the caller hears dial tone and can dial the call.

Please configure as below.

Click [Advance] -> [DISA] -- [New DISA]

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#### Reference

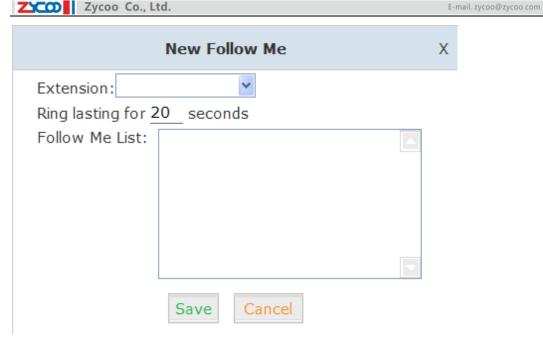
Item	Explanation				
Name	Define a name for DISA.				
PIN Set	User will be prompted to input this number when PIN Authentication is				
	needed.				
Record in CDR	Check to record.				
Response Timeout(sec)	The maximum time for waiting before hanging up if the dialed number is				
	incomplete or invalid. Default is 10 seconds				
Digit Timeout(sec)	The maximum interval time between digits when typing extension number.				
	Default is 5 seconds.				
Extension for this DISA(Optional)	If you want to access DISA by dialing an extension, you can define an				
	extension number for this DISA.				
Select DialPlan	Select the DialPlan for this DISA.				

### 3.7 Follow Me

This feature allows callers to automatically be forwarded to one or more internal extensions and/or one or more external phone numbers when the call is not answered at the primary extension.

Please configure as below:

Click [Advanced] -> [Follow Me] -> [New Follow Me]:



Select an extension, set the ring duration, and add the numbers in the Follow Me List; 【Save】 and 【Activate】.

List Format: Extension Number, Ring Duration

E.g.: 806,30 808,20

806 rings, after 30 seconds, the call is going to 808

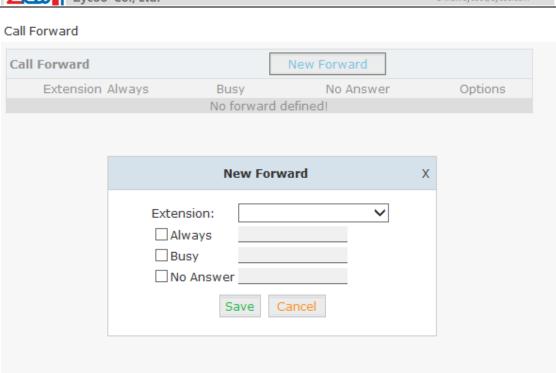
### [Follow Me Options]

Follow Me Options				
Playback the incoming status message prior to starting the follow-me step(sec).				
Record the caller's name so it can be announced to the callee on each step.				
$\hfill\Box$ Playback the unreachable status message if we've run out of all steps or the callee was set not to be reachable.				
Save				

### 3.8 Call Forward

The administrator can config the Call Forward on this page:

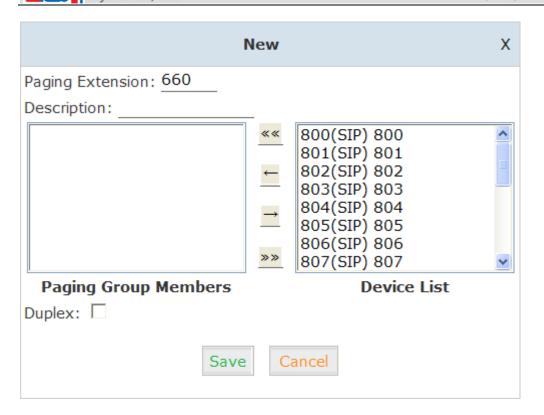
Click [Advanced] -> [Call Forward]:



### 3.9 Paging and Intercom

This feature allows setting up a Paging group so when the Paging extension is dialed, the listed extensions allow the caller to speak through the speaker phone. The extensions in the Paging group must use phones that support this feature. If the Duplex option is selected, and the listed extensions use phones that support Duplex, then all the phones in the paging group will be able to have two-way conversations.

Click [Advanced] -> [Paging and Intercom] -> [New Paging Group]:



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#### Reference:

Item	Explanation				
Paging Extension	Define an extension for this Paging Group.				
Description	Define a name for this Paging Group.				
Paging Group Members	Selected devices in this Paging Group.				
Device List	Select device(s) here to Paging Group.				
	Paging is typically one way for announcements only. Checking this will make the paging				
Duplex	duplex, allowing all phones in the paging group to be able to talk and be heard by all.				
	This makes it look like an "instant conference".				

### 3.10 PIN Sets

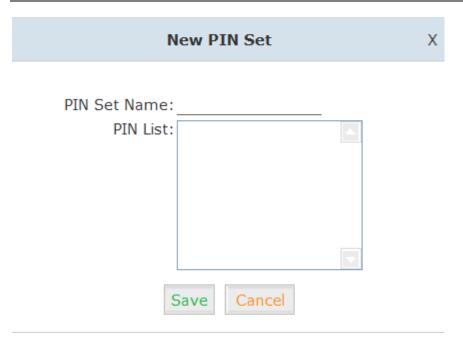
This feature allows an administrator to specify a list of PIN codes in a PIN Set. An Outbound Route can be specified that a valid PIN code from a selected PIN Set must be used in order to have access to a give Outbound route (e.g. for long distance or international calling).

Please configure as below.

Click [Advanced] -> [PIN Sets] -> [New PIN Set]:



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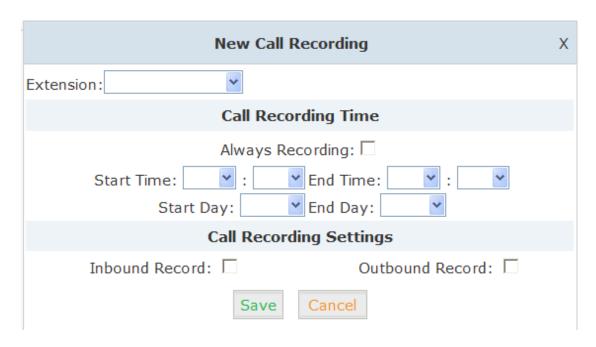
- 1. PIN Set Name Define the name for this PIN Set.
- 2. Define PIN codes in this list. PIN List

### 3.11 Call Recording

This feature allows an administrator to enable Call Recording to record incoming and/or outgoing calls related to the specified extension.

Please configure as below:

Click [Advanced] -> [Call Recording] -> [New Call Recording]:





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Item	Explanation		
Extension	Define an extension for recording.		
Call Recording Time	Set the time to record.		
Inbound Record	Check to record inbound calls.		
Outbound Record	heck to record outbound calls.		

### 3.12 Speed Dial

This feature allows setting up system wide speed dial numbers that translate a feature code (\*99) plus a two-digit code (00-99) into an external phone number.

Please configure as below.

Click [Advanced] -> [Speed Dial] -> [New Speed Dial]:

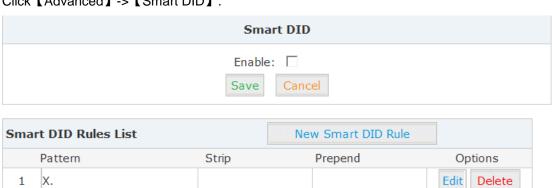
# New Speed Dial Χ Notice: Don't forget to add the outbound dial prefix if you would like to dial an outside number Source Number: Destination Number: Save Cancel

E.g.: prefix is \*99, speed number is 00, destination telephone number is 85337096. When dial \*9900, the call is going to 85337096 automatically.

### 3.13 Smart DID

Smart DID: After extension user makes an outbound call, the call is ringing back to CooVox IP PBX, and directed to the extension who made the last call. Please configure as below.

#### Click [Advanced] -> [Smart DID]:



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Check "Enable" and "Save" to make this function activate.

Click [New Smart DID Rule] to display the following diagram:



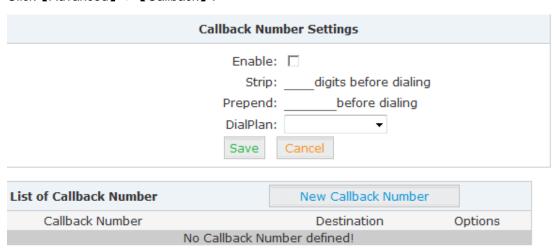
Input the pattern and define how many digits need to be stripped or prepend, then click "Save"--"Activate".

#### 3.14 Callback

This feature allows an external caller to place an inbound call to the CooVpx IP PBX. The inbound call will be disconnected and subsequently the PBX will place an outbound call back to this number and forwarded to defined destination after the call is connected.

Please configure as below.

Click [Advanced] -> [Callback]:



Enable this function; select DialPlan, and define the callback rule (strip digits or prepend prefix).

Click [New Callback Number] to add callback number.



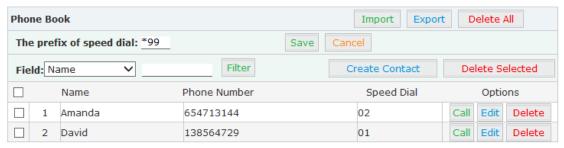
Input callback number and define the destination.

#### 3.15 Phone Book

When incoming call Caller ID matches the number in the phone book, the name of matched number will be displayed. Please configure as below.

### Click 【Advanced】->【Phone Book】:

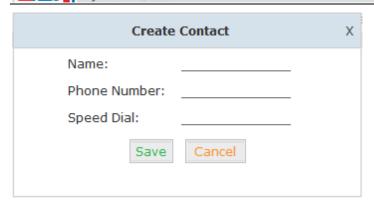
#### Phone Book



#### Reference:

Item	Explanation	
Import & Export	Import & Export a list, make sure it's UTF-8 coded if it's not in English	
Delete All	Delete all the contacts from the phone book	
The prefix of speed dial	Set the prefix of speed dial	
Filter	Search contacts, by name, phone number or speed dial	
Create Contact	Create a contact	
Delete Contact	Delete a selected contact	
Call	Click to call the number directly	

Click 【Create Contact】 to see the following diagram:



#### 3.16 Feature Codes

Click Advanced 1-> Feature Codes Ito see the following diagram, and you can define the code for each feature.

### Feature Codes Management

### **Call Parking**

Extension to Dial for Parking Calls: 700

Extension Range to Park Calls: 701-720

Call Parking Time(sec): 45

Parking Hints:

#### **Pickup Call**

Pickup Extension: \*8

Pickup Specified Extension: \*\*

#### Transfer

Blind Transfer: #

Attended Transfer: \*2

Disconnect Call: \*

Timeout for answer on attended transfer(sec): 15

### One Touch Recording

One Touch Recording: \*1

#### **Call Forward**

Enable Forward All Calls: \*71

Disable Forward All Calls: \*071

Enable Forward on Busy: \*72

Disable Forward on Busy: \*072

Enable Forward on No Answer: \*73

Disable Forward on No Answer: \*073

### Reference:

Item	Explanation		
Extension to Dial for Parking Calls	Define an extension for parking calls.		
Extension Range to Park Calls	Define the extension range for parking calls. (e.g.: 701-720)		
Call Parking Time(sec)	Define the time for parking calls. CooVox IP PBX will return the call to the		
	extension after this time limit has expired.		
Pickup Extension	This feature code will pick up a call given that the callers extension and the		

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	ringing extension are in the same pickup group and call group.			
Pickup Specified Extension	This feature code allows a caller to Pickup a call ringing on the specified			
	extension. Default: Dial**+extension number to pickup the specified			
	extension.			
Blind Transfer	To Allow unattended or blind transfer while on a call based on the following			
	steps:			
	1. While on a call with caller "A", the user dials the blind transfer key			
	sequence (in this case "#"). The system places the original call with "A" on			
	hold, says "Transfer" then gives a dial tone.			
	2. dial the transferee extension or phone number you wish to transfer the			
	call to "B" and hangup the phone.			
	3. The original caller "A" is transferred immediately to the transferee "B" and			
	"B" sees the callerid of "A".			
Attended Transfer	To Allow attended or supervised transfer while on a call based on the			
	following steps:			
	1. While on a call with caller "A", the user dials the supervised transfer key			
	sequence (in this case "*2"). The system places the original call with "A" on			
	hold, says "Transfer" then gives a dial tone.			
	2. dial the transferee extension or phone number you wish to transfer the			
	call to "B" and wait for "B" to answer the phone and talk to "B" to introduce			
	the call.			
	1. If "B" does not wish to take the call, "B" can hang up the call and you are			
	returned to your call with "A".			
	2. If "B" wishes to accept the call, you hang up the phone and caller "A" is			
	transferred to the transferee "B".			
	3. If the call goes to voicemail or you wish to abort the transfer, simply press			
	the "disconnect call" key sequence (in this case "*") and the transfer will be			
	aborted and you will be back on the call with the original caller "A".			
Disconnect Call	Disconnect the current transfer call (for Attended transfer).			
Timeout for answer on attended	Set the timeout value			
transfer (sec)	Set the timeout value			
One Touch Recording	Configure the function key for One Touch Recording			
Call Forward				
Call Forward	Enable/Disable Call Forward and the settings of function keys for different			
D. N. (B) ( )	forward modes.			
Do Not Disturb	Enable/Disable "Do Not Disturb"			
Spy	Configure the function keys for spy modes.			
Blacklist	Add/Delete blacklist number.			
Voicemail	Configure the function keys for entering voicemail and check extension			
	voicemail.			
Invite Participant	In conference, the administrator can invite people into the conference by			
	dialing "0". After pressing "0", you will get dialtone, and you can dial to invite			
	people. After the call is connected, please press ** to direct the people into			
	the conference, or *# to hang up the current call and return to the			
	conference.			

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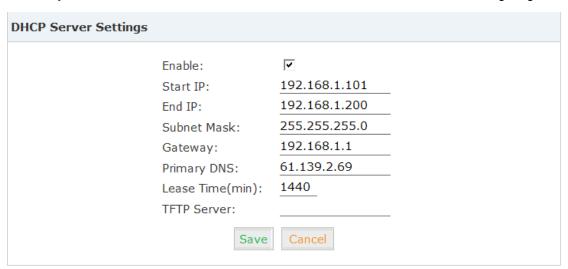
Create Conference	During the call, you can dial *0 to forward to the conference with the callee.					
Return to conference with participant	In conference, the administrator can dial "0" to invite people into the					
	conference. After pressing "0", you will get dialtone, and you can dial to					
	invite the participant; when the call is connected, dial "**" to return to the					
	conference with invited participant.					
Return to conference without	In conference, the administrator can dial "0" to invite people into the					
participant	conference. After pressing "0", you will get dialtone, and you can dial to					
	invite the participant. When the call is connected, you can dial "*#" to hang					
	up and return the conference yourself.					
Pause Queue Member Extension	Pause the agent, and the agent cannot receive the call.					
Unpause Queue Member Extension	Unpause the agent, and the agent can receive the call.					
Others	Function key for Intercom/ Paging/ Directory					

### 3.17 IP Phone Provisioning

When many IP Phones are needed, please record the MAC, extension number, and username of each phone according to the format (please take reference of the auto provision script file model for details), then import the format file, once the phone is connected to the local network, it will get the extension number and password automatically. There are two operation methods to fulfill this function, please see details as below.

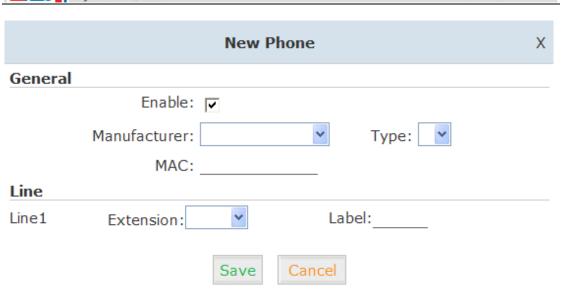
#### **Enable DHCP service**

Click [System] -> [Network Advanced] -> [Enable] DHCP Server in the following diagram:



Then Click [Advanced] -> [Phone Provisioning] -> [New Phone]:





Enable Phone Provisioning in [Basic], select the IP Phone manufacture, input MAC of the phone, and select the extension for provisioning.



CooVox IP PBX supports IP Phones from ZYCOO / Yealink / Grandstream now.

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#### Chapter 4 **Network Settings**

#### 4.1 Network

You can configure the WAN Port, and define the Virtual Interface.

Click [Network Settings] -> [Network] -> [IPv4 Settings]:

	IPv4 Setting	gs	IPv6	Settings	VLA	N Settings
WAN Port	Setup					
		IP A	ssign:	Static ~		
		Hostn	ame:	IPPBX		
		IP Add	ress:	192.168.1.:	114	
		Subne	et Mask:	255.255.25	5.0	
		Gatev	vay:	192.168.1.:	1	
		Prima	ry DNS:	8.8.8.8		
		Altern	ate DNS:			
Virtual Int	erface					
	IP AddressV1:			Subnet M	laskV1:	
	IP AddressV2:			Subnet M	laskV2:	
			Save	Cancel		

### Reference

Item	Explanation	
IP Assign	Static/ DHCP/PPPoE supported.	
Virtual Interface	Define the virtual interface for WAN Port.	

Click [Network Settings] -> [Network] -> [IPv6 Settings]

#### VLAN Reference:

Item	Explanation
Enable	Enable VLAN, define the VLAN address and VLAN ID.

### 4.2 Static Routing

Click [Network Settings] -> [Static Routing]:

New Stati	ic Routing	Х
Destination Network: Subnet Mask: Gateway:		
Save	Cancel	

Item	Explanation			
Destination	Set destination network for static routing.			
Subnet Mask	Set subnet mask of the destination network.			
Gateway	Define the gateway accessing the destination network.			

Click [Network Settings] -> [Static Routing] -> [Routing Table], the current routing information will be displayed as below:

Routing Table

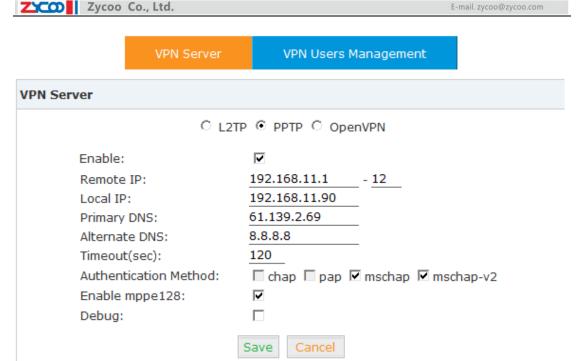
	Static Routing	Routing Table
Routing Table:		
Kernel IP routing table		

Destination Gateway
0.0.0.0 192.168.1.1
192.168.1.0 0.0.0.0 Genmask 0.0.0.0 Flags Metric Ref Use Iface 0.0.0.0 UG 0 0 0 eth0 255.255.255.0 U 0 0 0 eth0

### 4.3 VPN Server

CooVox IP PBX supports three kinds of VPN servers: L2TP/PPTP/OpenVPN. Click [Network Settings] -> [VPN Server]:

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#### Reference:

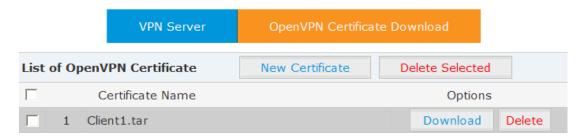
Item	Explanation
VPN Server Mode	Three kinds of VPN servers L2TP/PPTP/OpenVPN supported (Only one mode can be
	enabled simultaneously)
Enable	Enable/Disable VPN Server

When the mode is L2TP or PPTP VPN server, click [Network Settings] -> [VPN Server] -> [VPN Users Management]:



This page is used for management of VPN username and password.

When the mode is OpenVPN server, click [Network Settings] -> [VPN Server] -> [OpenVPN Certificate Download]:



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This page is used for management of OpenVPN certificate file.

#### 4.4 VPN Client

CooVox IP PBX supports four kinds of VPN Clients: L2TP /PPTP /OpenVPN /N2N Click [Network Settings] -> [VPN Client]:



```
Status:pptp client Connect: ppp1 <--> /dev/pts/2
     pptp client sh: can't execute '/sbin/ip': No such file or directory
     pptp client sh: can't execute '/sbin/ip': No such file or directory
```

#### Reference:

Item	Explanation				
VPN Client	Four kinds of VPN Clients supported: L2TP/PPTP/OpenVPN/N2N (Only one mode can				
	be enabled simultaneously)				
Enable	Enable/Disable VPN Client				

#### 4.5 DHCP Server

### Click [Network Settings] -> [DHCP Server]:

	DHCP Server	DHCP (	Client List	Static MAC			
DHCP Server Settings							
	Enable:						
	Start IP:	1	192.168.1.101	<u>.                                    </u>			
	End IP:	1	192.168.1.200	1			
	Subnet M	1ask: 2	255.255.255.0	)			
	Gateway	r: <u>1</u>	192.168.1.1				
	Primary I	DNS:	51.139.2.69				
	Lease Tir	me(min): <u>1</u>	1440				
	TFTP Ser	ver:					
		Save	Cancel				

### Click [Network Settings] -> [DHCP Server] -> [DHCP Client List]:

	DHCF	Server DH		ICP Client List	Sta	tic MAC	
DHCP Client List:							
Mac Addres	ss	IP Addres	S	Host Name		Expires in	n
6c:3e:6d:	e0:f2:00	192.168.1	.101	iPhone		expired	
00:03:58:	45:87:9a	192.168.1	.102			expired	
0c:74:c2:	47:71:6d	192.168.1	.103	hnteki-iPhone	:	expired	
20:c9:d0:	85:3b:fb	192.168.1	.104			expired	
08:ed:b9:	e7:c5:7f	192.168.1	.105	DPVYE1J0WCAAC	:7I	expired	
78:e4:00:	8e:c3:99	192.168.1	.106	LBSZLACHCIC		22:10:25	
68:a3:c4:	ef:5d:8b	192.168.1	.107	HBWang		1 days 00	:00:00
0c:72:2c:	5a:39:41	192.168.1	.108	MW150R		00:00:57	

This page is used to display DHCP Client address and related information.

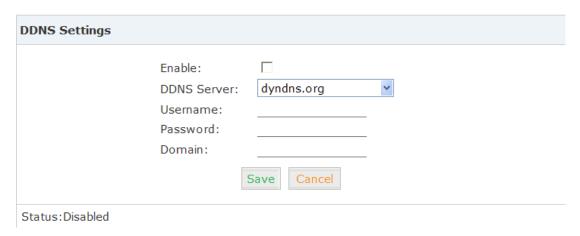
When DHCP Server distributes address, the Client's MAC address is associated with the IP address, and then the device will get the same IP address every time.

Click [Network Settings] -> [DHCP Server] -> [Static MAC] -> [New Static MAC] :



### 4.6 DDNS Settings

After setting DDNS (Dynamic Domain Network Server), CooVox IP PBX settings will be visited remotely. Click [Network Settings] -> [DDNS Settings]:



CooVox supports DDNS provided by Dyndns.org / No-ip.com / zoneedit.com.



#### 4.7 SNMPv2 Settings

SNMP(Simple Network Management Protocol): Used for remote management. Click [Network Settings] -> [SNMPv2 Settings]:

SNMPv2 Settings

Read Only	
Enable:	
RO Community:	public
RO Network:	/
Read and Write	
Enable:	
RW Community:	private
RW Network:	/
Save	Cancel

#### Reference

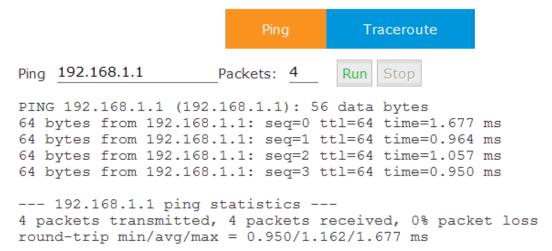
Item	Explanation			
Enable	Enable "Read Only" of SNMP			
RO Community	Define the name of RO Community of SNMP			
RO Network	Define network of RO			

### 4.8 Trouble Shooting

You can ping other network device through CooVox IP PBX and track network routing by command "Traceroute" .

Click [Network Settings] -> [TroubleShooting]:

Troubleshooting

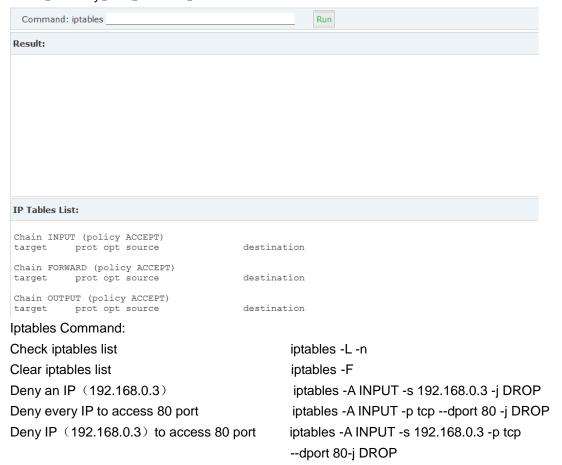


#### Chapter 5 Security

#### 5.1 Firewall

China

# Click [Security] -> [Firewall]



#### 5.2 Service

【Service】: settings of SSH/FTP and HTTP Port.

Click [Security] -> [Service]:



Enable SSH to login background management system through SSH.



Enable FTP to allow uploading files to system through FTP.

### 5.3 SIP Allowed Address

Define an allowed address, from which every SIP request will never be filtered or refused.

# Click [Security] -> [SIP Allowed Address]:



#### Chapter 6 Report

China

# 6.1 Register Status

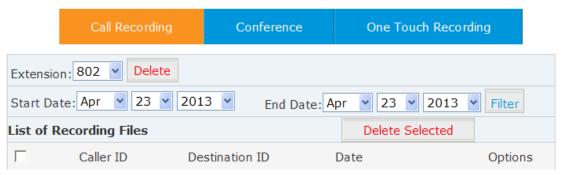
Check status of all kinds of users & trunks.



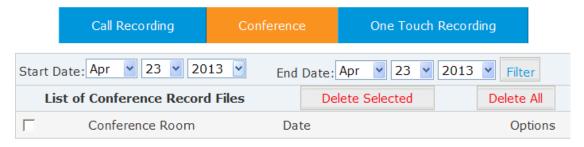
### 6.2 Record List

Check recordings of specified extension or conference here, or delete the recording file.

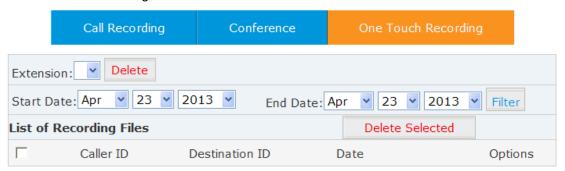
# 【Record List】:



## [Conference]:



# [One Touch Recording]



E-mail. zycoo@zycoo.com

## 6.3 Call Logs

Check call logs by caller ID or callee ID.

# Click [Report] -> [Call Logs]:

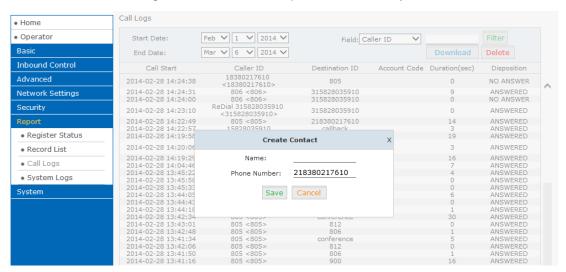
### Call Logs





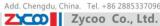
Duration in the call logs is not real charged duration. If you need billing, PSTN must support polarity reversal function, and meanwhile, you must configure relevance parameters of polarity reversal in trunk configuration for the CooVox IP PBX.

## The number in the call logs can be added in the phone book directly:



## 6.4 System Logs

Click 【Report】->【System Logs】, you can download/ delete the system logs.



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List of Logs 🌣			Download Selected	Delete Se	elected	
	Name		Туре	C	Options	
	1	login201303.log	Login Log	Delete	Download	
	2	login201304.log	Login Log	Delete	Download	
	3	pbx20130311.log	PBX Log	Delete	Download	
	4	pbx20130313.log	PBX Log	Delete	Download	
	5	pbx20130315.log	PBX Log	Delete	Download	
	6	pbx20130319.log	PBX Log	Delete	Download	
	7	pbx20130320.log	PBX Log	Delete	Download	



#### Chapter 7 **System**

# 7.1 Hot Standby (For U100 only)

The function will working between the two Coovox-U100 devices. When the primary server faults, the slave server will replace it.

Hot Standby

Hot Standby Settings				
Enable:				
Hot Standby Mode:	~			
Local Hostname:				
Remote Hostname:				
Local IP:				
Local Heart line:	7790			
Local Port:	7788			
Remote IP:				
Remote Heart line:	7789			
Remote Port:	7788			
Virtual IP:				
SYNC Network Rate:	100Mbps ✓			
Status Fresh Time(sec):	5			
Remote Link Timeout(sec):	15			
Administator Email:				
Administator Phone Number:				

Item	Explanation	
Enable	Enable 'Hot Standby' function.	
Hot Standby Mode	Set the local server hot standby mode.	
Local Hostname	Set the local server host name.	
Remote Hostname	Set the remote server host name	
Local IP	Set the local server IP address.	
Local Heart Line Port	Set the local server heart line port	
Local Port	Set the local server port (default: 7788)	
Remote IP	Set the remote server IP address	
Remote Heart Line Port	Set the remote server heart line port	
Remote Port	Set the remote server port(default: 7788)	
Virtual IP	Set the virtual IP address. The primary server and slave	
VIRTUALIP	server must use same virtual IP address	
SYNC Network Rate	Select the server network rate.	
Status Fresh Time	Set the status fresh time(sec)	

Save

Cancel

server faults will call administrator

Set the administrator phone number, if the primary

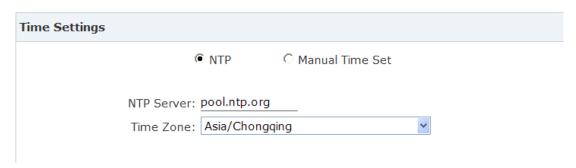
# 7.2 Time Settings

Administrator Phone Number

Time settings for CooVox system. The system supports either NTP or Manual Time Set.

# [NTP]:

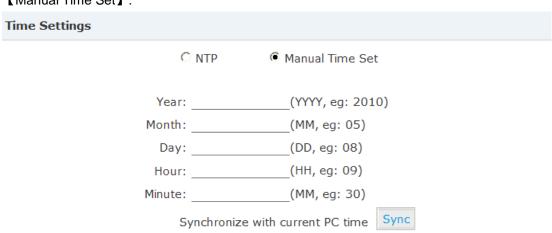
China



#### Reference:

Item	Explanation	
NTP Server	Define the NTP Server. You can input the IP address or domain of this server,	
	whether it's local or remote. Default server is pool.ntp.org. Be aware that the	
	CooVox IP PBX needs to be able to connect to an NTP server to properly	
	function.	
Time Zone	Select your time zone so that the system will set time based on the time zone.	

## [Manual Time Set]:



After entering Year/ Month/ Day/ Hour/ Minute, then save and activate.

Or, you can click [Sync] to synchronize with current PC time.

# 7.3 Module Settings (Support for U50/U100)

When use the module except FXO/FXS/GSM. You need to set the module parameters with the page.

Click [System] -> [Module Settings]:

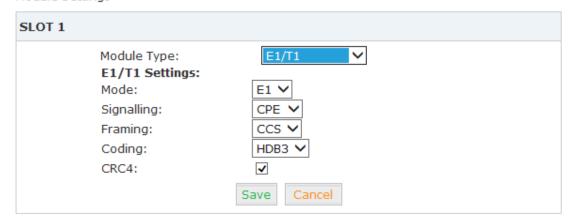
Module Settings

SLOT 1			
	Module Type:	FXS/FXO/GSM ✓	
		Save Cancel	

Module Type: Select the module type

- FXS/FXO/GSM module Default type. You don't need set anything for those modules.
- E1/T1 module

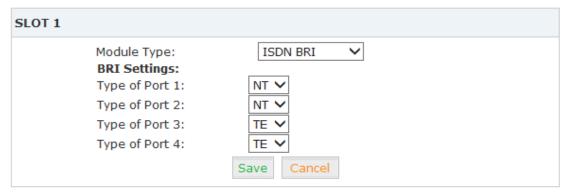
Module Settings



Item	Explanation	
Mode	Set E1 or T1 mode for the module.	
Signaling	Set the module signaling.	
Framing	One of 'd4' or 'esf' for T1; 'cas' or 'ccs' for E1.	
Coding	One of 'ami' or 'b8zs' for T1; 'ami' or 'hdb3' for E1.	
CRC4	Enable CRC4 Verification.	

ISDN BRI module

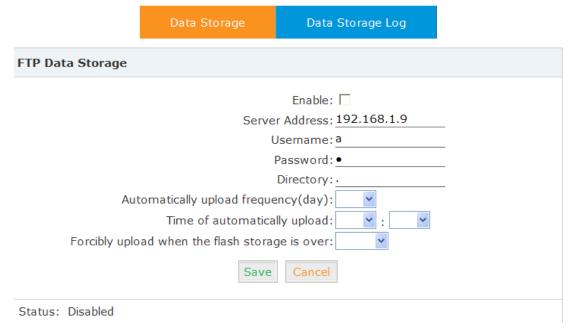
### Module Settings



Set the BRI NT or TE mode for each port.

## 7.4 Data Storage

When you need mass storage of recording files, voicemails, call logs, etc, you can upload these files to FTP server through FTP Data Storage based on the specified time frequency Click [System] -> [Data Storage]:



#### Reference

Telefolio				
Item	Explanation			
Enable	Enable FTP Data Storage.			
Server Address	Set FTP server address (IP address or domain).			
Username	Username for login FTP.			
Password	Password for login FTP.			
Directory	Define a directory used for storage on FTP server.			
Automatically upload frequency	Define frequency by days to upload the data.			
(day)				
Time of automatically upload	Define the time to upload the data.			

# Check from [Data Storage Log]:



Click 【Refresh】 to refresh data storage log.

Click 【clear】 to clear data storage log.

# 7.5 Management

[Management] is used for modify password of CooVox system, and the settings of system voice.

Click [System] -> [Management]:

Management





# 7.6 Backup

Click [System] -> [Backup]

Backup

China

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Upload Backup File

List	List of Backups			Backup			
	Name		Date		Ор	tions	
1	backup_2013jar	109_135847	Jan 09, 2013		Restore	Delete	8
2	backup_2013jar	109_135854	Jan 09, 2013		Restore	Delete	8
3	backup_2013ma	ar13_155906	Mar 13, 2013		Restore	Delete	8
4	backup_2013ma	ar28_174911	Mar 28, 2013		Restore	Delete	8
5	backup_2013ma	ar28_174938	Mar 28, 2013		Restore	Delete	8

### Reference:

Item	Explanation	
Take a Backup	Take a backup of the current system configuration.	
Restore	Restore system to the specified backup configuration.	
Delete	Delete specified backup file.	

Click the download button "" to download the specified backup file and manage locally.

Click 【Upload Backup File】 to upload the backup file here.

Upload Backup File



Click [browse] to select the local backup file, and click [Upload] to upload the backup file to system.

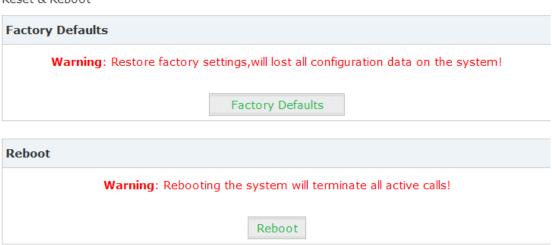
### 7.7 Reset & Reboot

If you need reset the system to factory defaults or reset, please click [System] -> [Reset & Reboot]: Restoring factory settings will make configuration data in the system lost.

E-mail. zycoo@zycoo.com

#### Reset & Reboot

Zycoo Co., Ltd.



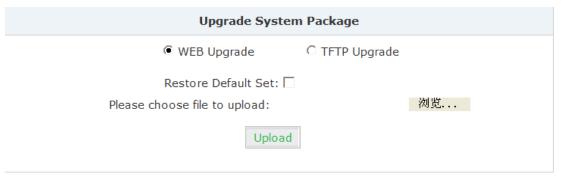
Click 【Factory Defaults】 to reset the system to factory defaults.

Click 【Reboot】 to reboot the system.

# 7.8 Upgrade

## 7.8.1 WEB Upgrade

Click [System] -> [Upgrade] -> [WEB Upgrade]:



Click [Browse] to select the firmware file, then click [Upload] to upload the selected firmware to system and finish the upgrading automatically.

If check 【Restore Default Set】, the system will clear all the configuration and reset to factory default.

## 7.8.2 TFTP Upgrade

Click [System] -> [Upgrade] -> [TFTP Upgrade]:

# **Upgrade System Package**

© WEB Upgrade

TFTP Upgrade

Restore Default Set: [ Enter The Package Name:uImage-md5.u50

TFTP Server IP address:

Start

# Reference:

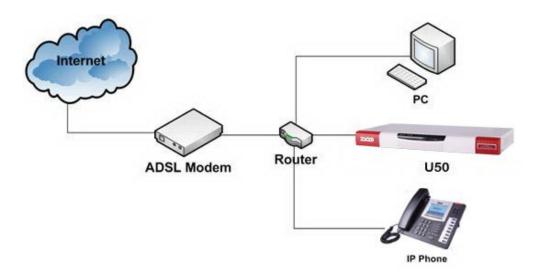
Item	Explanation	
Restore Default Set	System will restore to factory defaults after checking this option.	
Enter The Package Name	Enter the package name for upgrading.	
TFTP Server IP address	Enter your TFTP server IP address.	

## **Chapter 8 Operating Instructions**

(Take CooVox-U50 as example)

## 8.1 How to connect CooVox-U50 in the Network

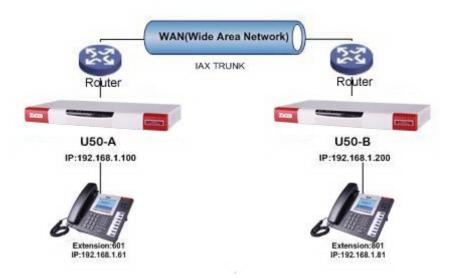
If your office accesses the public network through router, you can put the CooVox IP PBX behind the router. You should connect the WAN port of the IP PBX to the LAN port of the router.



## 8.2 How to combine two sets CooVox IP PBX in the same network

We start to combine two IP PBXs in the same network and then try to expand to different network. Combine two IP PBXs in the same LAN from the structure as below:





Register U50-B IP to a trunk of U50-A, and register U50-A IP to a trunk of U50-B, without authentication for each registration.

## Configuration Rule:

- 1. IP Phone registers on CooVox-U50-A with extension number 601.
- 2. Another IP Phone registers on Coovox-U50-B with extension number 801.
- 3. CooVox-U50-A WAN IP: 192.168.1.100.
- CooVox-U50-B WAN IP: 192.168.1.200. 4.
- 5. Extension format of CooVox-U50-A: 6XX.
- 6. Extension format of CooVox-U50-B: 8XX.
- 7. All extensions on U50-A can call extensions on U50-B by 8XX format.
- All extensions on U50-B can call extensions on U50-A by 6XX format.

Step1: Register U50-B IP to a trunk of U50-A

CooVox-U50-A: Click [Basic] -> [Trunks] -> [New VoIP Trunk]:

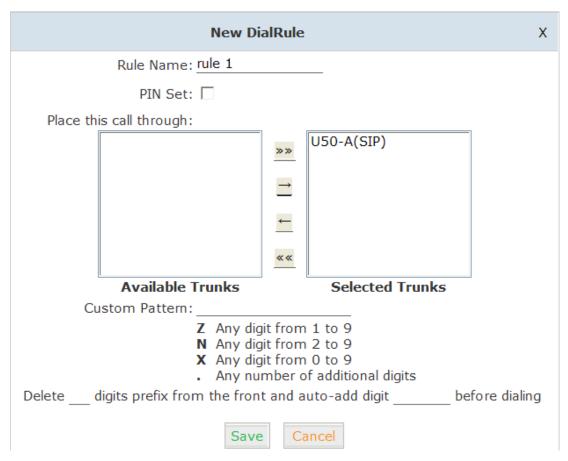
Edit SIP trunk trunk-sip-U50-A					
Description:	U50-A				
Host:	192.168.1.200	:5060			
Maximum Channels*:	0				
Prefix:					
Caller ID:					
☐ Without Authentication					
Username: U50-A					
Authuser: U50-A					
Password:					
☐ Advanced Options					
	Save Cancel				



Step2: Register U50-A IP to a trunk of U50-B as the same way of step 1.

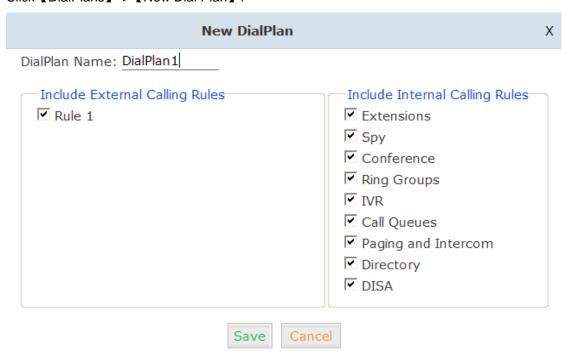
Step 3: Create DialRule on U50-A, and add the DailRule to the DialPlan

Click [Outbound Routes] -> [DialRules] -> [New Dial Rule]:



Select the created line 192.168.1.200 to 【Selected Trunks 】, custom pattern is XXX, save and activate.

Click [DialPlans] -> [New Dial Plan]:



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Check the created calling rule, save and activate.

**Step4**: Create dialrule on CooVox-U50-B, add the created dialrule to the dialplan as the same way of Step 3.

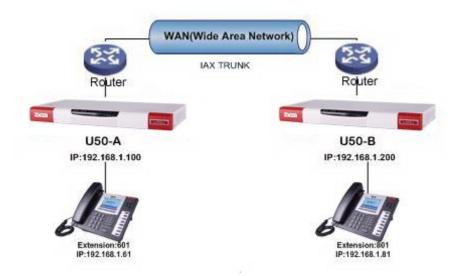
Step 5: Activate the current configuration and test:

- 1. Register IP Phone to U50-A as extension 601.
- 2. Register another IP Phone to U50-B as extension 801.
- 3. Make a call from 801 to 601, 601 rings and the call is connected.
- 4. Make a call from 601 to 801, 801 rings, and the call is connected.

## 8.3 How to connect two sets CooVox IP PBXs in different network?

E.g.: two sets CooVox-U50 in the internet.

Normally, the two sets CooVox-U50 are located in different place; but they are in the internet, and have public IP address.



Note: Enable NAT on Router.

For external line configuration, you must use public IP address.

Take the following instructions as example:

Register U50-B IP to a trunk of U50-A with authentication.

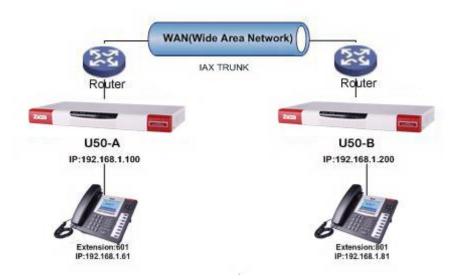
Configuration Rule:

- 1. IP Phone registers on U50-A as extension 601.
- 2. Another IP Phone registers on U50-B as extension 801.
- 3. U50-A IP:192.168.1.100.
- 4. U50-B IP:192.168.1.200.
- 5. Extension format of U50-A: 6XX.
- 6. Extension format of U50-B: 8XX
- 7. Create an extension 888 with password 123456 on U50-B.

- 8. All extensions on U50-A can call extensions on U50-B with format 8XX.
- All extensions on U50-B can call extensions on U50-A with format 6XX. 9. For detail steps, please take chapter 8.2 as reference.

#### Two sets U50 behind router

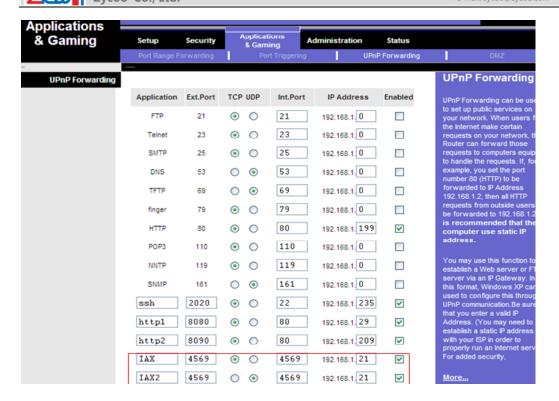
Sometimes U50 doesn't have public IP, and you have to configure port mapping for your router.



**Step1:** Configure the mapping rule of U50-A on the router.

U50-B is connected behind the router, registers on U50-A through internet, you need configure the port mapping of IAX2 port(4569) on the router. Then, all data received from WAN port of router(192.168.1.100:4569) will be sent to U50-A

Now, take the web management panel of Linksys router as example.



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# Step2: U50 Configuration

Configure the trunk and dialplan on U50-B, register U50-B IP to U50-A, configuration is same as above, but you have to replace the public IP with internal IP:192.168.1.21.

Step3: Configure port mapping rule of U50-B on the router

Configure port mapping of U50-B on the router as the same way of step1..

### Step4: Connect two sets U50 and make the call

Create extension 601 on U50-A, extension 801 on U50-B, and create the correct outbound rule.



# Notice

Public IP must be provided by network provider. It could be dynamic IP address, and easy to change; you can resolve this problem by using DDNS.

# 8.4 How to resolve the problem "one-way" audio problems

If U50 is behind router, to resolve the problem, please set up IP address as below: Click [Advanced] -> [Option] -> [Global SIP Settings]:

## **NAT Support**

China

External IP:	
F	
External Host:	
External Refresh(sec):	
Local Network Address:	

External IP External IP or domain to replace the device IP
 External Host External domain to replace the device IP
 External Refresh(sec) Refresh time, default is 10 seconds.

4. Local Network Address IP address and subnet mask needed to be converted .

E.g.: 192.168.1.100/255.255.255.0

## 8.5 How to use Skype on CooVox-U50

# 8.5.1 Visit the Top-up Page

Visit the top-up page: <a href="http://skype.tom.com/products/en/skypeout.html">http://skype.tom.com/products/en/skypeout.html</a>
Select subscription, payment method and enter the Skype account to top up credit.



First top up for business account must be more than €50.

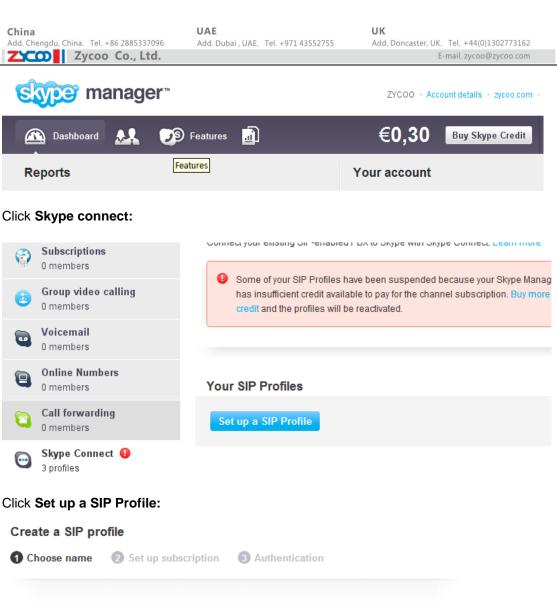
# 8.5.2 Manage Skype Account

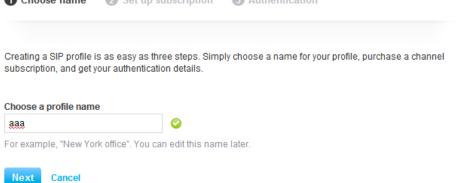
After login, you will find Skype Manager, and click it.

Settings and extras	
Payment settings	Stored payment details and Auto-recharge settings. View details
Currency	Your currency is set to EUR (Euros). Change
Skype Manager	You are the administrator of ZYCOO. Skype Manager · Member page
Redeem voucher	Redeem your voucher or prepaid card. Redeem

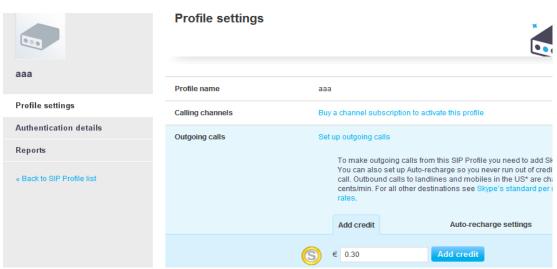
# 8.5.3 Create a SIP File

### Click Features:

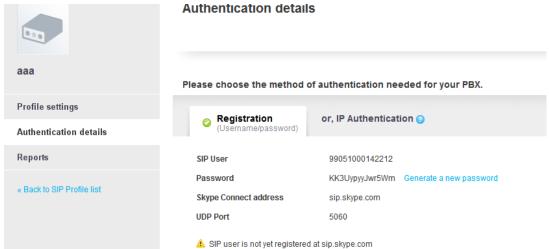




Create a SIP account, and each account has a channel, you need pay €5 for each channel as monthly rent. Then input the registration profile in the VoIP trunk of U50 and distribute the money to Outgoing calls.



When click Authentications details, you will see the SIP account profile:



Select the created line 192.168.1.200 to 【Selected Trunks】, custom pattern is XXX, save and activate.

For any questions or problems during installation and use, please feel free to contact our technical support via

email: <a href="mailto:support@zycoo.com">support@zycoo.com</a> or phone: 0086 28 85337096.